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**CHURCHTOWN COMPRESSOR STATION  
CHARACTERIZATION REPORT/  
RESPONSE ACTION WORK PLAN**

**WASHINGTON COUNTY, OHIO**

**30 MAY 2001  
[Revision No. 1: 11 April 2002]**

**Prepared for:**

**COLUMBIA GAS TRANSMISSION**

**By:**

**SE TECHNOLOGIES, INC.  
ENVIRONMENTAL STANDARDS, INC.**



**Vanadium  
GROUP**

Water was observed in the unnamed tributary during site characterization activities. Storm water from the roof drains discharges to underground perforated pipes. A perimeter drain comprised of perforated pipe discharges to the drainage ditch located south of the operations area. Field personnel observed wet conditions within the tributary south of the site, but no free flowing surface water.

## **2.4 Geology and Soils**

The site is located within the unglaciated Allegheny Plateau Physiographic Province of eastern Ohio. Surface geology of this area is comprised of sedimentary rocks of the Greene and Washington Formations of the Permian System and the Monongahela Formation of the Pennsylvanian System. The formations are comprised primarily of interbedded sandstone, shale, limestone and coal units. Formation thickness in the site area is probably in excess of several hundred feet. Based on visual observations made during past investigations and the site characterization activities, the surface soils at the site consist primarily of a silty clay with various amounts of sand and gravel. Based on area physiographic conditions, the soil profile is anticipated to range from ten (10) to twenty (20) feet thick overlaying bedrock.

Review of the USDA soil survey found that the site is underlain by the Woodsfield-Zanesville silt loam (WzB) and the Gilpin-Summitville-Upshur complex (G1F). The Woodsfield-Zanesville series occurs on ridge tops and narrow spurs that display a two (2) to six (6) percent slope. The soil is moderately permeable in the upper portion and has low permeability at depth in a zone typically exhibiting a higher clay content. The Gilpin-Summitville-Upshur complex occurs along the slopes north and south of the site operations area. The G1F soils consist primarily of clay-rich soil with varying amounts of coarser material that form on benches that overlie bedrock (primarily shale). Wet spots and springs are typically found along the benches.

## **2.5 Hydrogeology and Groundwater Quality**

Throughout the site area, useable quantities of groundwater are generally obtained from wells installed into bedrock formations. In other areas, springs may be a source of potable water supply.

The principal source of groundwater is recharge from precipitation. The direction of regional groundwater flow is controlled to a large extent by bedrock fracture orientation. Regional topography influences the development and flow direction of local shallow aquifers in that the groundwater surface typically mimics the ground surface topography. The unsaturated zone is generally more extensive at higher elevations, and less extensive at lower elevations near surface water bodies. Ground water was encountered at a depth of approximately eight (8) feet below ground surface (bgs) in soil borings SB003 and SB006.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             | 0                           |                             |
|------------------|-----------------------------|-----------------------------|-----------------------------|
| PRA Description  |                             | BACKGROUND/ND\$             |                             |
| Sample Type      | Field Duplicate (Rep)       | Normal Sample               |                             |
| Sample Id        | CHU-ASB#028-71001           | CHU-ASB#26-70001            | CHU-ASB#27-70001            |
| Depth - ft bgs   | 3 - 4                       | 6 - 7                       | 3 - 4                       |
| Collected Date   | 10/14/99                    | 10/14/99                    | 10/14/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       |
| Category         | Analyte                     | Action Level                | > CAL*                      |
| VOA              | BENZENE                     | 12                          | ND                          |
|                  | TOLUENE                     | 16000                       | ND                          |
|                  | ETHYL BENZENE               | 7800                        | ND                          |
|                  | XYLENES (TOTAL)             | 1000000                     | ND                          |
| BNA              | PHENANTHRENE                | 23000                       | ND                          |
|                  | FLUORANTHENE                | 3100                        | ND                          |
|                  | PYRENE                      | 2300                        | ND                          |
|                  | BENZO(A)ANTHRACENE          | .87                         | ND                          |
|                  | BENZO(B)FLUORANTHENE        | .87                         | ND                          |
|                  | CHRYSENE                    | .87                         | ND                          |
|                  | BENZO(A)PYRENE              | .087                        | ND                          |
| P/PCB            | AROCLOR-1016                | 1                           | ND                          |
|                  | AROCLOR-1221                | 1                           | ND                          |
|                  | AROCLOR-1232                | 1                           | ND                          |
|                  | AROCLOR-1242                | 1                           | ND                          |
|                  | AROCLOR-1248                | 1                           | ND                          |
|                  | AROCLOR-1254                | 1                           | ND                          |
|                  | AROCLOR-1260                | 1                           | ND                          |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             | 0                     | BACKGROUNDNS                |        |             |        |             |                             |
|------------------|-----------------------------|-----------------------|-----------------------------|--------|-------------|--------|-------------|-----------------------------|
| PRA Description  | Sample Type                 | Field Duplicate (Rep) | Normal Sample               |        |             |        |             |                             |
| Sample Id        | CHU-ASB#028-71001           |                       | CHU-ASB#26-70001            |        |             |        |             | CHU-ASB#27-70001            |
| Depth - ft bgs   | 3 - 4                       |                       | 6 - 7                       |        |             |        |             | 3 - 4                       |
| Collected Date   | 10/14/99                    |                       | 10/14/99                    |        |             |        |             | 10/14/99                    |
| Laboratory       | CT&E Environmental Services |                       | CT&E Environmental Services |        |             |        |             | CT&E Environmental Services |
| Sample Collector | SE Technologies             |                       | SE Technologies             |        |             |        |             | SE Technologies             |
| Result Units     | MG/KG                       |                       | MG/KG                       |        |             |        |             | MG/KG                       |
| Category         | Analyte                     | Action Level          | Result Flag                 | > CAL* | Result Flag | > CAL* | Result Flag | > CAL*                      |
| METAL            | ANTIMONY, TOTAL             | 31                    | ND                          |        | ND          |        | ND          |                             |
|                  | BARIUM, TOTAL               | 5500                  | 67.1                        |        | 58.5        |        |             | 71.3                        |
|                  | CADMIUM, TOTAL              | 39                    | ND                          |        | ND          |        | ND          |                             |
|                  | CHROMIUM, TOTAL             | 230                   | 16.6                        |        | 14.6        |        |             | 18.0                        |
|                  | LEAD, TOTAL                 | 400                   | ND                          |        | ND          |        | ND          |                             |
|                  | NICKEL, TOTAL               | 1600                  | ND                          |        | 27.1        |        |             | 24.2                        |
|                  | ARSENIC, TOTAL              | .43                   | 7.6                         | J-     | X           | 1.1    | J-          | X                           |
|                  |                             |                       |                             |        |             |        | 2.7         | J-                          |
|                  |                             |                       |                             |        |             |        |             | X                           |

Notes:

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ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             | RANDOM PCBs                 |                             |             |                  |
|------------------|-----------------------------|-----------------------------|-----------------------------|-------------|------------------|
| PRA Description  | Sample Type                 | Field Duplicate (Rep)       | Normal Sample               |             |                  |
| Sample Id        | CHU-ASB028-70001            | CHU-ASS028-41001            |                             |             | CHU-ASS026-40001 |
| Depth - ft bgs   | 3 - 4                       | 0 - 0.5                     |                             |             | 0 - 0.5          |
| Collected Date   | 10/14/99                    | 10/11/99                    |                             |             | 10/11/99         |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |             |                  |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             |             |                  |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       |             |                  |
| Category         | Analyte                     | Action Level                | > CAL*                      | Result Flag | > CAL*           |
| VOA              | BENZENE                     | 12                          | ND                          |             |                  |
|                  | TOLUENE                     | 16000                       | ND                          |             |                  |
|                  | ETHYL BENZENE               | 7800                        | ND                          |             |                  |
|                  | XYLENES (TOTAL)             | 1000000                     | ND                          |             |                  |
| BNA              | PHENANTHRENE                | 23000                       | ND                          |             |                  |
|                  | FLUORANTHENE                | 3100                        | ND                          |             |                  |
|                  | PYRENE                      | 2300                        | ND                          |             |                  |
|                  | BENZO(A)ANTHRACENE          | .87                         | ND                          |             |                  |
|                  | BENZO(B)FLUORANTHENE        | .87                         | ND                          |             |                  |
|                  | CHRYSENE                    | 87                          | ND                          |             |                  |
|                  | BENZO(A)PYRENE              | .087                        | ND                          |             |                  |
| P/PCB            | AROCLOR-1016                | 1                           | ND                          |             | ND               |
|                  | AROCLOR-1221                | 1                           | ND                          |             | ND               |
|                  | AROCLOR-1232                | 1                           | ND                          |             | ND               |
|                  | AROCLOR-1242                | 1                           | ND                          |             | ND               |
|                  | AROCLOR-1248                | 1                           | ND                          |             | ND               |
|                  | AROCLOR-1254                | 1                           | ND                          |             | ND               |
|                  | AROCLOR-1260                | 1                           | ND                          |             | ND               |

Notes:

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ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             | RANDOM PCBs                 |               |             |                             |
|------------------|-----------------------------|-----------------------------|---------------|-------------|-----------------------------|
| PRA Description  | Sample Type                 | Field Duplicate (Rep)       | Normal Sample |             |                             |
| Sample Id        | CHU-ASB028-70001            | CHU-ASS028-41001            |               |             | CHU-ASS026-40001            |
| Depth - ft bgs   | 3 - 4                       | 0 - 0.5                     |               |             | 0 - 0.5                     |
| Collected Date   | 10/14/99                    | 10/11/99                    |               |             | 10/11/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services |               |             | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             |               |             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       |               |             | MG/KG                       |
| Category         | Analyte                     | Action Level                | > CAL*        | Result Flag | > CAL*                      |
| METAL            | ANTIMONY, TOTAL             | 31                          | ND            |             |                             |
|                  | BARIUM, TOTAL               | 5500                        | 47.4          |             |                             |
|                  | CADMIUM, TOTAL              | 39                          | ND            |             |                             |
|                  | CHROMIUM, TOTAL             | 230                         | 14.6          |             |                             |
|                  | LEAD, TOTAL                 | 400                         | ND            |             |                             |
|                  | NICKEL, TOTAL               | 1600                        | ND            |             |                             |
|                  | ARSENIC, TOTAL              | .43                         | 8.3           | J-          | X                           |

Notes:

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 J flag - Numerical value is an estimated quantity.  
 ND indicates Non-Detect  
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**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |                             |                             |                             |
|------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| PRA Description  |                             |                             |                             |                             |                             |
| Sample Type      |                             |                             |                             |                             |                             |
| Sample Id        | CHU-ASS027-40001            | CHU-ASS028-40001            | CHU-ASS029-40001            | CHU-ASS029-40001            | CHU-ASS029-40001            |
| Depth - ft bgs   | 0 - 0.5                     | 0 - 0.5                     | 0 - 0.5                     | 0 - 0.5                     | 0 - 0.5                     |
| Collected Date   | 10/11/99                    | 10/11/99                    | 10/11/99                    | 10/11/99                    | 10/11/99                    |
| Laboratory       | CT&E Environmental Services |
| Sample Collector | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       |
| Category         | Analyte                     | Action Level                | > CAL*                      | > CAL*                      | Result Flag                 |
| VOA              | BENZENE                     | 12                          |                             |                             |                             |
|                  | TOLUENE                     | 16000                       |                             |                             |                             |
|                  | ETHYL BENZENE               | 7800                        |                             |                             |                             |
|                  | XYLENES (TOTAL)             | 1000000                     |                             |                             |                             |
| BNA              | PHENANTHRENE                | 23000                       |                             |                             |                             |
|                  | FLUORANTHENE                | 3100                        |                             |                             |                             |
|                  | PYRENE                      | 2300                        |                             |                             |                             |
|                  | BENZO(A)ANTHRACENE          | .87                         |                             |                             |                             |
|                  | BENZO(B)FLUORANTHENE        | .87                         |                             |                             |                             |
|                  | CHRYSENE                    | 87                          |                             |                             |                             |
| P/PCB            | BENZO(A)PYRENE              | .087                        |                             |                             |                             |
|                  | AROCLOR-1016                | 1                           | ND                          | ND                          | ND                          |
|                  | AROCLOR-1221                | 1                           | ND                          | ND                          | ND                          |
|                  | AROCLOR-1232                | 1                           | ND                          | ND                          | ND                          |
|                  | AROCLOR-1242                | 1                           | ND                          | ND                          | ND                          |
|                  | AROCLOR-1248                | 1                           | ND                          | ND                          | ND                          |
|                  | AROCLOR-1254                | 1                           | ND                          | ND                          | ND                          |
|                  | AROCLOR-1260                | 1                           | ND                          | ND                          | ND                          |

Notes:

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ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |                             |                             |        |             |
|------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------|-------------|
| PRA Description  |                             |                             |                             |                             |        |             |
| Sample Type      |                             |                             |                             |                             |        |             |
| Sample Id        | CHU-ASS027-40001            | CHU-ASS028-40001            | CHU-ASS029-40001            | CHU-ASS029-40001            |        |             |
| Depth - ft bgs   | 0 - 0.5                     | 0 - 0.5                     | 0 - 0.5                     | 0 - 0.5                     |        |             |
| Collected Date   | 10/11/99                    | 10/11/99                    | 10/11/99                    | 10/11/99                    |        |             |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |        |             |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             | SE Technologies             |        |             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       |        |             |
| Category         | Analyte                     | Action Level                | > CAL*                      | Result Flag                 | > CAL* | Result Flag |
| METAL            | ANTIMONY, TOTAL             | 31                          |                             |                             |        |             |
|                  | BARIUM, TOTAL               | 5500                        |                             |                             |        |             |
|                  | CADMIUM, TOTAL              | 39                          |                             |                             |        |             |
|                  | CHROMIUM, TOTAL             | 230                         |                             |                             |        |             |
|                  | LEAD, TOTAL                 | 400                         |                             |                             |        |             |
|                  | NICKEL, TOTAL               | 1600                        |                             |                             |        |             |
|                  | ARSENIC, TOTAL              | .43                         |                             |                             |        |             |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              | 1                           | 1000-GAL REBOILER SURGE ATS |             |        |             |        |             |
|------------------|-----------------------------|-----------------------------|-------------|--------|-------------|--------|-------------|
| PRA Description  | Normal Sample               |                             |             |        |             |        |             |
| Sample Id        | CHU-ASB001-40001            | CHU-ASB001-70002            |             |        |             |        |             |
| Depth - ft bgs   | 0 - 1                       | 2 - 3                       |             |        |             |        |             |
| Collected Date   | 10/13/99                    | 10/13/99                    |             |        |             |        |             |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services |             |        |             |        |             |
| Sample Collector | SE Technologies             | SE Technologies             |             |        |             |        |             |
| Result Units     | MG/KG                       | MG/KG                       |             |        |             |        |             |
| Category         | Analyte                     | Action Level                | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag |
| VOA              | BENZENE                     | 12                          | ND          |        | ND          |        | ND          |
|                  | TOLUENE                     | 16000                       | 0.010       |        | ND          |        | ND          |
|                  | ETHYL BENZENE               | 7800                        | ND          |        | ND          |        | ND          |
|                  | XYLENES (TOTAL)             | 1000000                     | ND          |        | ND          |        | ND          |
| BNA              | PHENANTHRENE                | 23000                       |             |        |             |        |             |
|                  | FLUORANTHENE                | 3100                        |             |        |             |        |             |
|                  | PYRENE                      | 2300                        |             |        |             |        |             |
|                  | BENZO(A)ANTHRACENE          | .87                         |             |        |             |        |             |
|                  | BENZO(B)FLUORANTHENE        | .87                         |             |        |             |        |             |
|                  | CHRYSENE                    | 87                          |             |        |             |        |             |
|                  | BENZO(A)PYRENE              | .087                        |             |        |             |        |             |
| P/PCB            | AROCLOR-1016                | 1                           | ND          |        | ND          |        | ND          |
|                  | AROCLOR-1221                | 1                           | ND          |        | ND          |        | ND          |
|                  | AROCLOR-1232                | 1                           | ND          |        | ND          |        | ND          |
|                  | AROCLOR-1242                | 1                           | ND          |        | ND          |        | ND          |
|                  | AROCLOR-1248                | 1                           | ND          |        | ND          |        | ND          |
|                  | AROCLOR-1254                | 1                           | ND          |        | ND          |        | ND          |
|                  | AROCLOR-1260                | 1                           | ND          |        | ND          |        | ND          |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.  
J flag - Numerical value is an estimated quantity.  
ND indicates Non-Detect  
Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |                             |                             |        |             |        |             |        |
|------------------|-----------------------------|-----------------------------|-----------------------------|--------|-------------|--------|-------------|--------|
| PRA              | 1                           |                             |                             |        |             |        |             |        |
| PRA Description  | 1000-GAL REBOILER SURGE ATS |                             |                             |        |             |        |             |        |
| Sample Type      | Normal Sample               |                             |                             |        |             |        |             |        |
| Sample Id        | CHU-ASB001-40001            | CHU-ASB001-70001            | CHU-ASB001-70002            |        |             |        |             |        |
| Depth - ft bgs   | 0 - 1                       | 2 - 3                       | 3 - 4                       |        |             |        |             |        |
| Collected Date   | 10/13/99                    | 10/13/99                    | 10/13/99                    |        |             |        |             |        |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |        |             |        |             |        |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             |        |             |        |             |        |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       |        |             |        |             |        |
| Category         | Analyte                     | Action Level                | Result Flag                 | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| METAL            | ANTIMONY, TOTAL             | 31                          |                             |        |             |        |             |        |
|                  | BARIUM, TOTAL               | 5500                        |                             |        |             |        |             |        |
|                  | CADMIUM, TOTAL              | 39                          |                             |        |             |        |             |        |
|                  | CHROMIUM, TOTAL             | 230                         |                             |        |             |        |             |        |
|                  | LEAD, TOTAL                 | 400                         |                             |        |             |        |             |        |
|                  | NICKEL, TOTAL               | 1600                        |                             |        |             |        |             |        |
|                  | ARSENIC, TOTAL              | .43                         | 6.5 J-                      | X      | 5.9 J-      | X      | 4.4 J-      | X      |

### Notes:

\* "CAF" equals "X" when reported value is above characterization action level for this locale.

$\mathbb{I}$  flag - Numerical value is an estimated quantity.

ND indicates Non-Detect.

ND indicates Not detected; Bland cells in result indicate an undifferentiated tumor.

THE BOSTONIAN.

## CHURCHTOWN CS Characterization Work Plan Program Sites

Page 8 of 72

Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |                             |                             |                             |
|------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| PRA Description  |                             |                             |                             |                             |                             |
| Sample Type      |                             |                             |                             |                             |                             |
| Sample Id        | CHU-ASB002-40001            | CHU-ASB002-70001            | CHU-ASB002-70002            | CHU-ASB002-70002            | CHU-ASB002-70002            |
| Depth - ft bgs   | 0 - 1                       | 2 - 3                       | 3 - 4                       | 3 - 4                       | 3 - 4                       |
| Collected Date   | 10/13/99                    | 10/13/99                    | 10/13/99                    | 10/13/99                    | 10/13/99                    |
| Laboratory       | CT&E Environmental Services |
| Sample Collector | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       |
| Category         | Analyte                     | Action Level                | Result Flag                 | > CAL*                      | Result Flag                 |
| VOA              | BENZENE                     | 12                          | ND                          | ND                          | ND                          |
|                  | TOLUENE                     | 16000                       | ND                          | ND                          | ND                          |
|                  | ETHYL BENZENE               | 7800                        | ND                          | ND                          | ND                          |
|                  | XYLENES (TOTAL)             | 1000000                     | ND                          | ND                          | ND                          |
|                  | PHENANTHRENE                | 23000                       |                             |                             |                             |
| BNA              | FLUORANTHENE                | 3100                        |                             |                             |                             |
|                  | PYRENE                      | 2300                        |                             |                             |                             |
|                  | BENZO(A)ANTHRACENE          | .87                         |                             |                             |                             |
|                  | BENZO(B)FLUORANTHENE        | .87                         |                             |                             |                             |
|                  | CHRYSENE                    | 87                          |                             |                             |                             |
| P/PCB            | BENZO(A)PYRENE              | .087                        |                             |                             |                             |
|                  | AROCLOR-1016                | 1                           | ND                          | ND                          | ND                          |
|                  | AROCLOR-1221                | 1                           | ND                          | ND                          | ND                          |
|                  | AROCLOR-1232                | 1                           | ND                          | ND                          | ND                          |
|                  | AROCLOR-1242                | 1                           | ND                          | ND                          | ND                          |
|                  | AROCLOR-1248                | 1                           | ND                          | ND                          | ND                          |
|                  | AROCLOR-1254                | 1                           | ND                          | ND                          | ND                          |
|                  | AROCLOR-1260                | 1                           | ND                          | ND                          | ND                          |

Notes:

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J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |              |                             |             |                             |             |
|------------------|-----------------------------|--------------|-----------------------------|-------------|-----------------------------|-------------|
| PRA Description  |                             |              |                             |             |                             |             |
| Sample Type      |                             |              |                             |             |                             |             |
| Sample Id        | CHU-ASB002-40001            |              | CHU-ASB002-70001            |             | CHU-ASB002-70002            |             |
| Depth - ft bgs   | 0 - 1                       |              | 2 - 3                       |             | 3 - 4                       |             |
| Collected Date   | 10/13/99                    |              | 10/13/99                    |             | 10/13/99                    |             |
| Laboratory       | CT&E Environmental Services |              | CT&E Environmental Services |             | CT&E Environmental Services |             |
| Sample Collector | SE Technologies             |              | SE Technologies             |             | SE Technologies             |             |
| Result Units     | MG/KG                       |              | MG/KG                       |             | MG/KG                       |             |
| Category         | Analyte                     | Action Level | > CAL*                      | Result Flag | > CAL*                      | Result Flag |
| METAL            | ANTIMONY, TOTAL             |              | 31                          |             |                             |             |
|                  | BARIUM, TOTAL               |              | 5500                        |             |                             |             |
|                  | CADMIUM, TOTAL              |              | 39                          |             |                             |             |
|                  | CHROMIUM, TOTAL             |              | 230                         |             |                             |             |
|                  | LEAD, TOTAL                 |              | 400                         |             |                             |             |
|                  | NICKEL, TOTAL               |              | 1600                        |             |                             |             |
|                  | ARSENIC, TOTAL              | .43          | 4.9                         | J-          | X                           | 6.6         |
|                  |                             |              |                             |             |                             | J-          |
|                  |                             |              |                             |             |                             | X           |

Notes:

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ND indicates Non-Detect

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              | 2                           | 3400-GAL PIPELINE LIQUIDS UT, 3400-GAL USED OIL UT |             |        |             |        |             |
|------------------|-----------------------------|--|-------------|--------|-------------|--------|-------------|
| PRA Description  | Normal Sample               |  |             |        |             |        |             |
| Sample Id        | CHU-ASB003-70001            | CHU-ASB003-70002                                   |             |        |             |        |             |
| Depth - ft bgs   | 3 - 4                       | 7 - 8  |             |        |             |        |             |
| Collected Date   | 10/12/99                    | 10/12/99   |             |        |             |        |             |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services                        |             |        |             |        |             |
| Sample Collector | SE Technologies             | SE Technologies                                    |             |        |             |        |             |
| Result Units     | MG/KG                       | MG/KG  |             |        |             |        |             |
| Category         | Analyte                     | Action Level                                       | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag |
| VOA              | BENZENE                     | 12   | 0.052       |        | 0.019       |        | ND          |
|                  | TOLUENE                     | 16000  | 0.032       |        | 0.024       |        | ND          |
|                  | ETHYL BENZENE               | 7800   | 0.017       |        | 0.006       |        | ND          |
|                  | XYLENES (TOTAL)             | 1000000  | 0.096       |        | 0.037       |        | ND          |
| BNA              | PHENANTHRENE                | 23000  | ND          |        | ND          |        | ND          |
|                  | FLUORANTHENE                | 3100   | ND          |        | ND          |        | ND          |
|                  | PYRENE                      | 2300   | ND          |        | ND          |        | ND          |
|                  | BENZO(A)ANTHRACENE          | .87  | ND          |        | ND          |        | ND          |
|                  | BENZO(B)FLUORANTHENE        | .87  | ND          |        | ND          |        | ND          |
|                  | CHRYSENE                    | .87  | ND          |        | ND          |        | ND          |
|                  | BENZO(A)PYRENE              | .087   | ND          |        | ND          |        | ND          |
| P/PCB            | AROCLOR-1016                | 1  | ND          |        | ND          |        | ND          |
|                  | AROCLOR-1221                | 1  | ND          |        | ND          |        | ND          |
|                  | AROCLOR-1232                | 1  | ND          |        | ND          |        | ND          |
|                  | AROCLOR-1242                | 1  | ND          |        | ND          |        | ND          |
|                  | AROCLOR-1248                | 1  | ND          |        | ND          |        | ND          |
|                  | AROCLOR-1254                | 1  | ND          |        | ND          |        | ND          |
|                  | AROCLOR-1260                | 1  | ND          |        | ND          |        | ND          |

Notes:

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J flag - Numerical value is an estimated quantity.  
ND indicates Non-Detect  
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**Table 4-3**  
**Summary of Analytical Results**

|                  |  |                             |                             |                             |                             |             |
|------------------|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|
| PRA              | 2  |                             |                             |                             |                             |             |
| PRA Description  | 3400-GAL PIPELINE LIQUIDS UT, 3400-GAL USED OIL UT |                             |                             |                             |                             |             |
| Sample Type      | Normal Sample                                      |                             |                             |                             |                             |             |
| Sample Id        | CHU-ASB003-70001                                   | CHU-ASB003-70002            | CHU-ASB004-70001            | CHU-ASB004-70002            | CHU-ASB004-70001            |             |
| Depth - ft bgs   | 3 - 4  | 7 - 8                       | 7 - 8                       | 6 - 7                       | 6 - 7                       |             |
| Collected Date   | 10/12/99   | 10/12/99                    | 10/12/99                    | 10/12/99                    | 10/12/99                    |             |
| Laboratory       | CT&E Environmental Services                        | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |             |
| Sample Collector | SE Technologies                                    | SE Technologies             | SE Technologies             | SE Technologies             | SE Technologies             |             |
| Result Units     | MG/KG  | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       |             |
| Category         | Analyte  | Action Level                | > CAL*                      | Result Flag                 | > CAL*                      | Result Flag |
| METAL            | ANTIMONY, TOTAL                                    | 31                          |                             |                             |                             |             |
|                  | BARIUM, TOTAL                                      | 5500                        |                             |                             |                             |             |
|                  | CADMIUM, TOTAL                                     | 39                          |                             |                             |                             |             |
|                  | CHROMIUM, TOTAL                                    | 230                         |                             |                             |                             |             |
|                  | LEAD, TOTAL  | 400                         | ND                          |                             |                             |             |
|                  | NICKEL, TOTAL                                      | 1600                        |                             |                             | ND                          |             |
|                  | ARSENIC, TOTAL                                     | .43                         |                             |                             |                             |             |

Notes:

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Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |                             |                  |             |        |
|------------------|-----------------------------|-----------------------------|-----------------------------|------------------|-------------|--------|
| PRA Description  |                             |                             |                             |                  |             |        |
| Sample Type      |                             |                             |                             |                  |             |        |
| Sample Id        | CHU-ASB005-40001            | CHU-ASB005-70001            | CHU-ASB006-40001            | CHU-ASB006-40001 |             |        |
| Depth - ft bgs   | 0 - 1                       | 6 - 7                       |                             | 2 - 3            |             |        |
| Collected Date   | 10/12/99                    | 10/12/99                    |                             | 10/12/99         |             |        |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |                  |             |        |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             | SE Technologies  |             |        |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG            |             |        |
| Category         | Analyte                     | Action Level                | > CAL*                      | > CAL*           | Result Flag | > CAL* |
| VOA              | BENZENE                     | 12                          | 0.76                        |                  | ND          | 0.15   |
|                  | TOLUENE                     | 16000                       | 3.1                         |                  | ND          | 0.097  |
| BNA              | ETHYL BENZENE               | 7800                        | 4.8                         |                  | ND          | 0.018  |
|                  | XYLENES (TOTAL)             | 1000000                     | 7.6                         |                  | 0.019       | 0.10   |
| P/PCB            | PHENANTHRENE                | 23000                       | ND                          |                  | ND          | 1.3    |
|                  | FLUORANTHENE                | 3100                        | ND                          |                  | ND          | 2.4    |
| P/PCB            | PYRENE                      | 2300                        | ND                          |                  | ND          | 1.7    |
|                  | BENZO(A)ANTHRACENE          | .87                         | ND                          |                  | ND          | 1.0    |
| P/PCB            | BENZO(B)FLUORANTHENE        | .87                         | ND                          |                  | ND          | 0.81   |
|                  | CHRYSENE                    | .87                         | ND                          |                  | ND          | 1.1    |
| P/PCB            | BENZO(A)PYRENE              | .087                        | ND                          |                  | ND          | 0.59   |
|                  | AROCLOR-1016                | 1                           | ND                          |                  | ND          | ND     |
| P/PCB            | AROCLOR-1221                | 1                           | ND                          |                  | ND          | ND     |
|                  | AROCLOR-1232                | 1                           | ND                          |                  | ND          | ND     |
| P/PCB            | AROCLOR-1242                | 1                           | ND                          |                  | ND          | ND     |
|                  | AROCLOR-1248                | 1                           | ND                          |                  | ND          | ND     |
| P/PCB            | AROCLOR-1254                | 1                           | ND                          |                  | ND          | ND     |
|                  | AROCLOR-1260                | 1                           | ND                          |                  | ND          | ND     |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |              |                             |             |                             |             |
|------------------|-----------------------------|--------------|-----------------------------|-------------|-----------------------------|-------------|
| PRA Description  |                             |              |                             |             |                             |             |
| Sample Type      |                             |              |                             |             |                             |             |
| Sample Id        | CHU-ASB005-40001            |              | CHU-ASB005-70001            |             | CHU-ASB006-40001            |             |
| Depth - ft bgs   | 0 - 1                       |              | 6 - 7                       |             | 2 - 3                       |             |
| Collected Date   | 10/12/99                    |              | 10/12/99                    |             | 10/12/99                    |             |
| Laboratory       | CT&E Environmental Services |              | CT&E Environmental Services |             | CT&E Environmental Services |             |
| Sample Collector | SE Technologies             |              | SE Technologies             |             | SE Technologies             |             |
| Result Units     | MG/KG                       |              | MG/KG                       |             | MG/KG                       |             |
| Category         | Analyte                     | Action Level | > CAL*                      | Result Flag | > CAL*                      | Result Flag |
| METAL            | ANTIMONY, TOTAL             | 31           |                             |             |                             |             |
|                  | BARIUM, TOTAL               | 5500         |                             |             |                             |             |
|                  | CADMIUM, TOTAL              | 39           |                             |             |                             |             |
|                  | CHROMIUM, TOTAL             | 230          |                             |             |                             |             |
|                  | LEAD, TOTAL                 | 400          | ND                          |             | ND                          |             |
|                  | NICKEL, TOTAL               | 1600         |                             |             |                             | ND          |
|                  | ARSENIC, TOTAL              | .43          |                             |             |                             |             |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |                             |                             |             |        |
|------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|--------|
| PRA Description  |                             |                             |                             |                             |             |        |
| Sample Type      |                             |                             |                             |                             |             |        |
| Sample Id        | CHU-ASB006-70002            | CHU-ASB006-70002            | CHU-ASB007-40001            | CHU-ASB007-40001            |             |        |
| Depth - ft bgs   | 7 - 8                       | 11 - 12                     | 1 - 2                       | 1 - 2                       |             |        |
| Collected Date   | 10/12/99                    | 10/12/99                    | 10/12/99                    | 10/12/99                    |             |        |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |             |        |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             | SE Technologies             |             |        |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       |             |        |
| Category         | Analyte                     | Action Level                | > CAL*                      | > CAL*                      | Result Flag | > CAL* |
| VOA              | BENZENE                     | 12                          | 3.6                         | 0.21                        |             | 0.12   |
|                  | TOLUENE                     | 16000                       | 8.6                         | 0.14                        |             | 0.18   |
|                  | ETHYL BENZENE               | 7800                        | 6.7                         | 0.041                       |             | 0.23   |
|                  | XYLENES (TOTAL)             | 1000000                     | 11                          | 0.24                        |             | 0.70   |
| BNA              | PHENANTHRENE                | 23000                       | ND                          | 0.47                        |             | ND     |
|                  | FLUORANTHENE                | 3100                        | ND                          | ND                          |             | ND     |
|                  | PYRENE                      | 2300                        | ND                          | ND                          |             | ND     |
|                  | BENZO(A)ANTHRACENE          | .87                         | ND                          | ND                          |             | ND     |
|                  | BENZO(B)FLUORANTHENE        | .87                         | ND                          | ND                          |             | ND     |
|                  | CHRYSENE                    | .87                         | ND                          | ND                          |             | ND     |
| P/PCB            | BENZO(A)PYRENE              | .087                        | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1016                | 1                           | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1221                | 1                           | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1232                | 1                           | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1242                | 1                           | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1248                | 1                           | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1254                | 1                           | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1260                | 1                           | ND                          | ND                          |             | ND     |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |              |                             |             |                             |             |
|------------------|-----------------------------|--------------|-----------------------------|-------------|-----------------------------|-------------|
| PRA Description  |                             |              |                             |             |                             |             |
| Sample Type      |                             |              |                             |             |                             |             |
| Sample Id        | CHU-ASB006-70001            |              | CHU-ASB006-70002            |             | CHU-ASB007-40001            |             |
| Depth - ft bgs   | 7 - 8                       |              | 11 - 12                     |             | 1 - 2                       |             |
| Collected Date   | 10/12/99                    |              | 10/12/99                    |             | 10/12/99                    |             |
| Laboratory       | CT&E Environmental Services |              | CT&E Environmental Services |             | CT&E Environmental Services |             |
| Sample Collector | SE Technologies             |              | SE Technologies             |             | SE Technologies             |             |
| Result Units     | MG/KG                       |              | MG/KG                       |             | MG/KG                       |             |
| Category         | Analyte                     | Action Level | > CAL*                      | Result Flag | > CAL*                      | Result Flag |
| METAL            | ANTIMONY, TOTAL             | 31           |                             |             |                             |             |
|                  | BARIUM, TOTAL               | 5500         |                             |             |                             |             |
|                  | CADMIUM, TOTAL              | 39           |                             |             |                             |             |
|                  | CHROMIUM, TOTAL             | 230          |                             |             |                             |             |
|                  | LEAD, TOTAL                 | 400          | ND                          |             |                             |             |
|                  | NICKEL, TOTAL               | 1600         |                             |             | ND                          |             |
|                  | ARSENIC, TOTAL              | .43          |                             |             |                             |             |

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Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |              |                             |             |                             |             |
|------------------|-----------------------------|--------------|-----------------------------|-------------|-----------------------------|-------------|
| PRA Description  |                             |              |                             |             |                             |             |
| Sample Type      |                             |              |                             |             |                             |             |
| Sample Id        | CHU-ASB005-40001            |              | CHU-ASB005-70001            |             | CHU-ASB006-40001            |             |
| Depth - ft bgs   | 0 - 1                       |              | 6 - 7                       |             | 2 - 3                       |             |
| Collected Date   | 10/12/99                    |              | 10/12/99                    |             | 10/12/99                    |             |
| Laboratory       | CT&E Environmental Services |              | CT&E Environmental Services |             | CT&E Environmental Services |             |
| Sample Collector | SE Technologies             |              | SE Technologies             |             | SE Technologies             |             |
| Result Units     | MG/KG                       |              | MG/KG                       |             | MG/KG                       |             |
| Category         | Analyte                     | Action Level | > CAL*                      | Result Flag | > CAL*                      | Result Flag |
| METAL            | ANTIMONY, TOTAL             | 31           |                             |             |                             |             |
|                  | BARIUM, TOTAL               | 5500         |                             |             |                             |             |
|                  | CADMIUM, TOTAL              | 39           |                             |             |                             |             |
|                  | CHROMIUM, TOTAL             | 230          |                             |             |                             |             |
|                  | LEAD, TOTAL                 | 400          | ND                          |             | ND                          |             |
|                  | NICKEL, TOTAL               | 1600         |                             |             |                             | ND          |
|                  | ARSENIC, TOTAL              | .43          |                             |             |                             |             |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |                             |                             |             |        |
|------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|--------|
| PRA Description  |                             |                             |                             |                             |             |        |
| Sample Type      |                             |                             |                             |                             |             |        |
| Sample Id        | CHU-ASB006-70002            | CHU-ASB006-70002            | CHU-ASB007-40001            | CHU-ASB007-40001            |             |        |
| Depth - ft bgs   | 7 - 8                       | 11 - 12                     | 1 - 2                       | 1 - 2                       |             |        |
| Collected Date   | 10/12/99                    | 10/12/99                    | 10/12/99                    | 10/12/99                    |             |        |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |             |        |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             | SE Technologies             |             |        |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       |             |        |
| Category         | Analyte                     | Action Level                | > CAL*                      | > CAL*                      | Result Flag | > CAL* |
| VOA              | BENZENE                     | 12                          | 3.6                         | 0.21                        |             | 0.12   |
|                  | TOLUENE                     | 16000                       | 8.6                         | 0.14                        |             | 0.18   |
|                  | ETHYL BENZENE               | 7800                        | 6.7                         | 0.041                       |             | 0.23   |
|                  | XYLENES (TOTAL)             | 1000000                     | 11                          | 0.24                        |             | 0.70   |
| BNA              | PHENANTHRENE                | 23000                       | ND                          | 0.47                        |             | ND     |
|                  | FLUORANTHENE                | 3100                        | ND                          | ND                          |             | ND     |
|                  | PYRENE                      | 2300                        | ND                          | ND                          |             | ND     |
|                  | BENZO(A)ANTHRACENE          | .87                         | ND                          | ND                          |             | ND     |
|                  | BENZO(B)FLUORANTHENE        | .87                         | ND                          | ND                          |             | ND     |
|                  | CHRYSENE                    | .87                         | ND                          | ND                          |             | ND     |
| P/PCB            | BENZO(A)PYRENE              | .087                        | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1016                | 1                           | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1221                | 1                           | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1232                | 1                           | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1242                | 1                           | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1248                | 1                           | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1254                | 1                           | ND                          | ND                          |             | ND     |
|                  | AROCLOR-1260                | 1                           | ND                          | ND                          |             | ND     |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |              |                             |             |                             |             |
|------------------|-----------------------------|--------------|-----------------------------|-------------|-----------------------------|-------------|
| PRA Description  |                             |              |                             |             |                             |             |
| Sample Type      |                             |              |                             |             |                             |             |
| Sample Id        | CHU-ASB006-70001            |              | CHU-ASB006-70002            |             | CHU-ASB007-40001            |             |
| Depth - ft bgs   | 7 - 8                       |              | 11 - 12                     |             | 1 - 2                       |             |
| Collected Date   | 10/12/99                    |              | 10/12/99                    |             | 10/12/99                    |             |
| Laboratory       | CT&E Environmental Services |              | CT&E Environmental Services |             | CT&E Environmental Services |             |
| Sample Collector | SE Technologies             |              | SE Technologies             |             | SE Technologies             |             |
| Result Units     | MG/KG                       |              | MG/KG                       |             | MG/KG                       |             |
| Category         | Analyte                     | Action Level | > CAL*                      | Result Flag | > CAL*                      | Result Flag |
| METAL            | ANTIMONY, TOTAL             | 31           |                             |             |                             |             |
|                  | BARIUM, TOTAL               | 5500         |                             |             |                             |             |
|                  | CADMIUM, TOTAL              | 39           |                             |             |                             |             |
|                  | CHROMIUM, TOTAL             | 230          |                             |             |                             |             |
|                  | LEAD, TOTAL                 | 400          | ND                          |             |                             |             |
|                  | NICKEL, TOTAL               | 1600         |                             |             | ND                          |             |
|                  | ARSENIC, TOTAL              | .43          |                             |             |                             |             |

Notes:

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Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |                             |                             |                             | 3                            |
|------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|
| PRA Description  |                             |                             |                             |                             |                             | 3400-GAL NEW LUBE OIL UT, 34 |
| Sample Type      |                             |                             |                             |                             |                             | Normal Sample                |
| Sample Id        | CHU-ASS001-40001            | CHU-ASS002-40001            | CHU-ASS002-40001            | CHU-ASS009-70001            | CHU-ASS009-70001            | CHU-ASS009-70001             |
| Depth - ft bgs   | 0 - 1                       | 0 - 1                       | 0 - 1                       | 7 - 8                       | 7 - 8                       | 7 - 8                        |
| Collected Date   | 10/11/99                    | 10/11/99                    | 10/11/99                    | 10/13/99                    | 10/13/99                    | 10/13/99                     |
| Laboratory       | CT&E Environmental Services  |
| Sample Collector | SE Technologies              |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                        |
| Category         | Analyte                     | Action Level                | Result Flag                 | > CAL*                      | Result Flag                 | > CAL*                       |
| VOA              | BENZENE                     | 12                          | 0.036                       | 0.081                       | ND                          | ND                           |
|                  | TOLUENE                     | 16000                       | 0.021                       | 0.049                       | ND                          | ND                           |
|                  | ETHYL BENZENE               | 7800                        | 0.013                       | 0.026                       | ND                          | ND                           |
|                  | XYLENES (TOTAL)             | 1000000                     | 0.017                       | 0.23                        | ND                          | ND                           |
| BNA              | PHENANTHRENE                | 23000                       | ND                          | ND                          | ND                          | ND                           |
|                  | FLUORANTHENE                | 3100                        | ND                          | ND                          | ND                          | ND                           |
|                  | PYRENE                      | 2300                        | ND                          | ND                          | ND                          | ND                           |
|                  | BENZO(A)ANTHRACENE          | .87                         | ND                          | ND                          | ND                          | ND                           |
|                  | BENZO(B)FLUORANTHENE        | .87                         | ND                          | ND                          | ND                          | ND                           |
|                  | CHRYSENE                    | .87                         | ND                          | ND                          | ND                          | ND                           |
| P/PCB            | BENZO(A)PYRENE              | .087                        | ND                          | ND                          | ND                          | ND                           |
|                  | AROCLOR-1016                | 1                           | ND                          | ND                          | ND                          | ND                           |
|                  | AROCLOR-1221                | 1                           | ND                          | ND                          | ND                          | ND                           |
|                  | AROCLOR-1232                | 1                           | ND                          | ND                          | ND                          | ND                           |
|                  | AROCLOR-1242                | 1                           | ND                          | ND                          | ND                          | ND                           |
|                  | AROCLOR-1248                | 1                           | ND                          | ND                          | ND                          | ND                           |
|                  | AROCLOR-1254                | 1                           | ND                          | ND                          | ND                          | ND                           |
|                  | AROCLOR-1260                | 1                           | ND                          | ND                          | ND                          | ND                           |

Notes:

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J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |              |             |        |             |        |                              |
|------------------|-----------------------------|--------------|-------------|--------|-------------|--------|------------------------------|
| PRA              |                             |              |             |        |             |        | 3                            |
| PRA Description  |                             |              |             |        |             |        | 3400-GAL NEW LUBE OIL UT, 34 |
| Sample Type      |                             |              |             |        |             |        | Normal Sample                |
| Sample Id        | CHU-ASS001-40001            |              |             |        |             |        | CHU-ASB009-70001             |
| Depth - ft bgs   | 0 - 1                       |              |             |        |             |        | 0 - 1                        |
| Collected Date   | 10/11/99                    |              |             |        |             |        | 10/11/99                     |
| Laboratory       | CT&E Environmental Services |              |             |        |             |        | CT&E Environmental Services  |
| Sample Collector | SE Technologies             |              |             |        |             |        | SE Technologies              |
| Result Units     | MG/KG                       |              |             |        |             |        | MG/KG                        |
| Category         | Analyte                     | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag                  |
| METAL            | ANTIMONY, TOTAL             |              | 31          |        |             |        |                              |
|                  | BARIUM, TOTAL               |              | 5500        |        |             |        |                              |
|                  | CADMIUM, TOTAL              |              | 39          |        |             |        |                              |
|                  | CHROMIUM, TOTAL             |              | 230         |        |             |        |                              |
|                  | LEAD, TOTAL                 |              | 400         | ND     |             |        |                              |
|                  | NICKEL, TOTAL               |              | 1600        |        |             |        |                              |
|                  | ARSENIC, TOTAL              |              | .43         |        |             |        |                              |

Notes:

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Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA Description <b>400-GAL NEW GLYCOL UT</b> |                             |                             |                             |                             |                             |
|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Sample Type                                  |                             |                             |                             |                             |                             |
| Sample Id                                    | CHU-ASB010-70001            | CHU-ASB011-70001            | CHU-ASB012-70001            | CHU-ASB012-70001            | CHU-ASB012-70001            |
| Depth - ft bgs                               | 5 - 6                       | 5 - 6                       | 5.5 - 6.5                   | 5.5 - 6.5                   | 5.5 - 6.5                   |
| Collected Date                               | 10/13/99                    | 10/13/99                    | 10/13/99                    | 10/13/99                    | 10/13/99                    |
| Laboratory                                   | CT&E Environmental Services |
| Sample Collector                             | SE Technologies             |
| Result Units                                 | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       |
| Category                                     | Analyte                     | Action Level                | > CAL*                      | > CAL*                      | Result Flag                 |
| VOA  | BENZENE                     | 12                          | ND                          | ND                          | ND                          |
|  | TOLUENE                     | 16000                       | ND                          | ND                          | ND                          |
|  | ETHYL BENZENE               | 7800                        | ND                          | ND                          | ND                          |
|  | XYLENES (TOTAL)             | 1000000                     | ND                          | ND                          | ND                          |
|  | PHENANTHRENE                | 23000                       |                             |                             |                             |
| BNA  | FLUORANTHENE                | 3100                        |                             |                             |                             |
|  | PYRENE                      | 2300                        |                             |                             |                             |
|  | BENZO(A)ANTHRACENE          | .87                         |                             |                             |                             |
|  | BENZO(B)FLUORANTHENE        | .87                         |                             |                             |                             |
|  | CHRYSENE                    | 87                          |                             |                             |                             |
| P/PCB  | BENZO(A)PYRENE              | .087                        |                             |                             |                             |
|  | AROCLOR-1016                | 1                           |                             |                             |                             |
|  | AROCLOR-1221                | 1                           |                             |                             |                             |
|  | AROCLOR-1232                | 1                           |                             |                             |                             |
|  | AROCLOR-1242                | 1                           |                             |                             |                             |
|  | AROCLOR-1248                | 1                           |                             |                             |                             |
|  | AROCLOR-1254                | 1                           |                             |                             |                             |
|  | AROCLOR-1260                | 1                           |                             |                             |                             |
|  |                             |                             |                             |                             |                             |
|  |                             |                             |                             |                             |                             |

Notes:

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**Table 4-3**  
**Summary of Analytical Results**

| PRA Description <b>400-GAL NEW GLYCOL UT</b> |                             |                             |                             |                             |                             |
|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Sample Type                                  |                             |                             |                             |                             |                             |
| Sample Id                                    | CHU-ASB010-70001            | CHU-ASB011-70001            | CHU-ASB012-70001            | CHU-ASB013-70001            | CHU-ASB014-70001            |
| Depth - ft bgs                               | 5 - 6                       | 5 - 6                       | 5.5 - 6.5                   | 5.5 - 6.5                   | 5.5 - 6.5                   |
| Collected Date                               | 10/13/99                    | 10/13/99                    | 10/13/99                    | 10/13/99                    | 10/13/99                    |
| Laboratory                                   | CT&E Environmental Services |
| Sample Collector                             | SE Technologies             |
| Result Units                                 | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       |
| Category                                     | Analyte                     | Action Level                | > CAL*                      | > CAL*                      | Result Flag                 |
| VOA  | BENZENE                     | 12                          | ND                          | ND                          | ND                          |
|  | TOLUENE                     | 16000                       | ND                          | ND                          | ND                          |
|  | ETHYL BENZENE               | 7800                        | ND                          | ND                          | ND                          |
|  | XYLENES (TOTAL)             | 1000000                     | ND                          | ND                          | ND                          |
|  | PHENANTHRENE                | 23000                       |                             |                             |                             |
| BNA  | FLUORANTHENE                | 3100                        |                             |                             |                             |
|  | PYRENE                      | 2300                        |                             |                             |                             |
|  | BENZO(A)ANTHRACENE          | .87                         |                             |                             |                             |
|  | BENZO(B)FLUORANTHENE        | .87                         |                             |                             |                             |
|  | CHRYSENE                    | 87                          |                             |                             |                             |
| P/PCB  | BENZO(A)PYRENE              | .087                        |                             |                             |                             |
|  | AROCLOR-1016                | 1                           |                             |                             |                             |
|  | AROCLOR-1221                | 1                           |                             |                             |                             |
|  | AROCLOR-1232                | 1                           |                             |                             |                             |
|  | AROCLOR-1242                | 1                           |                             |                             |                             |
| AROCLOR-1248                                 | AROCLOR-1248                | 1                           |                             |                             |                             |
|  | AROCLOR-1254                | 1                           |                             |                             |                             |
|  | AROCLOR-1260                | 1                           |                             |                             |                             |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA Description <b>400-GAL NEW GLYCOL UT</b> |                             |                             |                             |                             |                             |                             |
|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Sample Type                                  |                             |                             |                             |                             |                             |                             |
| Sample Id                                    | CHU-ASB010-70001            | CHU-ASB011-70001            | CHU-ASB012-70001            | CHU-ASB013-70001            | CHU-ASB014-70001            | CHU-ASB015-70001            |
| Depth - ft bgs                               | 5 - 6                       | 5 - 6                       | 5 - 6                       | 5 - 6                       | 5 - 6                       | 5.5 - 6.5                   |
| Collected Date                               | 10/13/99                    | 10/13/99                    | 10/13/99                    | 10/13/99                    | 10/13/99                    | 10/13/99                    |
| Laboratory                                   | CT&E Environmental Services |
| Sample Collector                             | SE Technologies             |
| Result Units                                 | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       |
| Category                                     | Analyte                     | Action Level                | Result Flag                 | > CAL*                      | Result Flag                 | > CAL*                      |
| METAL  | ANTIMONY, TOTAL             |                             | 31                          |                             |                             |                             |
|  | BARIUM, TOTAL               |                             | 5500                        |                             |                             |                             |
|  | CADMIUM, TOTAL              |                             | 39                          |                             |                             |                             |
|  | CHROMIUM, TOTAL             |                             | 230                         |                             |                             |                             |
|  | LEAD, TOTAL                 |                             | 400                         |                             |                             |                             |
|  | NICKEL, TOTAL               |                             | 1600                        |                             |                             |                             |
|  | ARSENIC, TOTAL              |                             | .43                         |                             |                             |                             |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |              |                             |        |                             | 4                        |
|------------------|-----------------------------|--------------|-----------------------------|--------|-----------------------------|--------------------------|
| PRA Description  |                             |              |                             |        |                             | SEPTIC SYSTEM LEACHFIELD |
| Sample Type      |                             |              |                             |        |                             | Normal Sample            |
| Sample Id        | CHU-ASS003-40001            |              | CHU-ASS004-40001            |        | CHU-ASB013-70001            |                          |
| Depth - ft bgs   | 0 - 1                       |              | 0 - 1                       |        | 3 - 4                       |                          |
| Collected Date   | 10/11/99                    |              | 10/11/99                    |        | 10/13/99                    |                          |
| Laboratory       | CT&E Environmental Services |              | CT&E Environmental Services |        | CT&E Environmental Services |                          |
| Sample Collector | SE Technologies             |              | SE Technologies             |        | SE Technologies             |                          |
| Result Units     | MG/KG                       |              | MG/KG                       |        | MG/KG                       |                          |
| Category         | Analyte                     | Action Level | Result Flag                 | > CAL* | Result Flag                 | > CAL*                   |
| VOA              | BENZENE                     | 12           | ND                          |        | ND                          | ND                       |
|                  | TOLUENE                     | 16000        | ND                          |        | ND                          | ND                       |
|                  | ETHYL BENZENE               | 7800         | ND                          |        | ND                          | ND                       |
|                  | XYLENES (TOTAL)             | 1000000      | ND                          |        | ND                          | ND                       |
| BNA              | PHENANTHRENE                | 23000        |                             |        |                             | ND                       |
|                  | FLUORANTHENE                | 3100         |                             |        |                             | ND                       |
|                  | PYRENE                      | 2300         |                             |        |                             | ND                       |
|                  | BENZO(A)ANTHRACENE          | .87          |                             |        |                             | ND                       |
| P/PCB            | BENZO(B)FLUORANTHENE        | .87          |                             |        |                             | ND                       |
|                  | CHRYSENE                    | 87           |                             |        |                             | ND                       |
|                  | BENZO(A)PYRENE              | .087         |                             |        |                             | ND                       |
|                  | AROCLOR-1016                | 1            |                             |        |                             | ND                       |
| P/PCB            | AROCLOR-1221                | 1            |                             |        |                             | ND                       |
|                  | AROCLOR-1232                | 1            |                             |        |                             | ND                       |
|                  | AROCLOR-1242                | 1            |                             |        |                             | ND                       |
|                  | AROCLOR-1248                | 1            |                             |        |                             | ND                       |
|                  | AROCLOR-1254                | 1            |                             |        |                             | ND                       |
|                  | AROCLOR-1260                | 1            |                             |        |                             | ND                       |
|                  |                             |              |                             |        |                             |                          |
|                  |                             |              |                             |        |                             |                          |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |              |                             |        |             | 4                           |
|------------------|-----------------------------|--------------|-----------------------------|--------|-------------|-----------------------------|
| PRA Description  |                             |              |                             |        |             | SEPTIC SYSTEM LEACHFIELD    |
| Sample Type      |                             |              |                             |        |             | Normal Sample               |
| Sample Id        | CHU-ASS003-40001            |              | CHU-ASS004-40001            |        |             | CHU-ASB013-70001            |
| Depth - ft bgs   | 0 - 1                       |              | 0 - 1                       |        |             | 3 - 4                       |
| Collected Date   | 10/11/99                    |              | 10/11/99                    |        |             | 10/13/99                    |
| Laboratory       | CT&E Environmental Services |              | CT&E Environmental Services |        |             | CT&E Environmental Services |
| Sample Collector | SE Technologies             |              | SE Technologies             |        |             | SE Technologies             |
| Result Units     | MG/KG                       |              | MG/KG                       |        |             | MG/KG                       |
| Category         | Analyte                     | Action Level | Result Flag                 | > CAL* | Result Flag | > CAL*                      |
| METAL            | ANTIMONY, TOTAL             | 31           |                             |        |             | 11.2 R                      |
|                  | BARIUM, TOTAL               | 5500         |                             |        |             | 74.2                        |
|                  | CADMIUM, TOTAL              | 39           |                             |        |             | ND                          |
|                  | CHROMIUM, TOTAL             | 230          |                             |        |             | 25.1                        |
|                  | LEAD, TOTAL                 | 400          |                             |        |             | ND                          |
|                  | NICKEL, TOTAL               | 1600         |                             |        |             | 18.9                        |
|                  | ARSENIC, TOTAL              | .43          |                             |        |             | 2.0 J-                      |
|                  |                             |              |                             |        |             | X                           |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |              |                             |        |             | 5                           |
|------------------|-----------------------------|--------------|-----------------------------|--------|-------------|-----------------------------|
| PRA Description  |                             |              |                             |        |             | UNNAMED TRIB. TO HALFWAY    |
| Sample Type      |                             |              |                             |        |             | Field Duplicate (Rep)       |
| Sample Id        | CHU-ASB014-70001            |              | CHU-ASS005-40001            |        |             | CHU-ASD001-31001            |
| Depth - ft bgs   | 3 - 4                       |              | 0 - 1                       |        |             | 0 - 0.5                     |
| Collected Date   | 10/13/99                    |              | 10/11/99                    |        |             | 10/13/99                    |
| Laboratory       | CT&E Environmental Services |              | CT&E Environmental Services |        |             | CT&E Environmental Services |
| Sample Collector | SE Technologies             |              | SE Technologies             |        |             | SE Technologies             |
| Result Units     | MG/KG                       |              | MG/KG                       |        |             | MG/KG                       |
| Category         | Analyte                     | Action Level | Result Flag                 | > CAL* | Result Flag | > CAL*                      |
| VOA              | BENZENE                     | 12           | ND                          |        | ND          | ND                          |
|                  | TOLUENE                     | 16000        | ND                          |        | ND          | ND                          |
| BNA              | ETHYL BENZENE               | 7800         | ND                          |        | ND          | ND                          |
|                  | XYLENES (TOTAL)             | 1000000      | ND                          |        | ND          | ND                          |
| P/PCB            | PHENANTHRENE                | 23000        | ND                          |        | ND          | ND                          |
|                  | FLUORANTHENE                | 3100         | ND                          |        | ND          | ND                          |
| P/PCB            | PYRENE                      | 2300         | ND                          |        | ND          | ND                          |
|                  | BENZO(A)ANTHRACENE          | .87          | ND                          |        | ND          | ND                          |
| P/PCB            | BENZO(B)FLUORANTHENE        | .87          | ND                          |        | ND          | ND                          |
|                  | CHRYSENE                    | .87          | ND                          |        | ND          | ND                          |
| P/PCB            | BENZO(A)PYRENE              | .087         | ND                          |        | ND          | ND                          |
|                  | AROCLOR-1016                | 1            | ND                          |        | ND          | ND                          |
| P/PCB            | AROCLOR-1221                | 1            | ND                          |        | ND          | ND                          |
|                  | AROCLOR-1232                | 1            | ND                          |        | ND          | ND                          |
| P/PCB            | AROCLOR-1242                | 1            | ND                          |        | ND          | ND                          |
|                  | AROCLOR-1248                | 1            | ND                          |        | ND          | ND                          |
| P/PCB            | AROCLOR-1254                | 1            | ND                          |        | ND          | ND                          |
|                  | AROCLOR-1260                | 1            | ND                          |        | ND          | ND                          |

Notes:

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |              |                             |        |                             |        | 5                        |
|------------------|-----------------------------|--------------|-----------------------------|--------|-----------------------------|--------|--------------------------|
| PRA Description  |                             |              |                             |        |                             |        | UNNAMED TRIB. TO HALFWAY |
| Sample Type      |                             |              |                             |        |                             |        | Field Duplicate (Rep)    |
| Sample Id        | CHU-ASB014-70001            |              | CHU-ASS005-40001            |        | CHU-ASD001-31001            |        |                          |
| Depth - ft bgs   | 3 - 4                       |              | 0 - 1                       |        | 0 - 0.5                     |        |                          |
| Collected Date   | 10/13/99                    |              | 10/11/99                    |        | 10/13/99                    |        |                          |
| Laboratory       | CT&E Environmental Services |              | CT&E Environmental Services |        | CT&E Environmental Services |        |                          |
| Sample Collector | SE Technologies             |              | SE Technologies             |        | SE Technologies             |        |                          |
| Result Units     | MG/KG                       |              | MG/KG                       |        | MG/KG                       |        |                          |
| Category         | Analyte                     | Action Level | Result Flag                 | > CAL* | Result Flag                 | > CAL* | Result Flag              |
| METAL            | ANTIMONY, TOTAL             | 31           | 10.6 R                      |        | ND                          |        | ND                       |
|                  | BARIUM, TOTAL               | 5500         | 80.1                        |        | 74.8                        |        | 90.8                     |
|                  | CADMIUM, TOTAL              | 39           | 1.1                         |        | ND                          |        | ND                       |
|                  | CHROMIUM, TOTAL             | 230          | 19.0                        |        | 16.0                        |        | 11.5                     |
|                  | LEAD, TOTAL                 | 400          | ND                          |        | ND                          |        | ND                       |
|                  | NICKEL, TOTAL               | 1600         | 26.9                        |        | ND                          |        | ND                       |
|                  | ARSENIC, TOTAL              | .43          | 2.0 J-                      | X      | 5.8                         | X      | 3.0 X                    |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                      | PRA Description / RUN       |                             |
|------------------|----------------------|-----------------------------|-----------------------------|
|                  |                      | Sample Type                 | Normal Sample               |
| Sample Id        |                      | CHU-ASD001-30001            | CHU-ASD002-30001            |
| Depth - ft bgs   |                      | 0 - 0.5                     | 0 - 0.5                     |
| Collected Date   |                      | 10/13/99                    | 10/13/99                    |
| Laboratory       |                      | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector |                      | SE Technologies             | SE Technologies             |
| Result Units     |                      | MG/KG                       | MG/KG                       |
| Category         | Analyte              | Action Level                | > CAL*                      |
| VOA              | BENZENE              | 12                          | ND                          |
|                  | TOLUENE              | 16000                       | ND                          |
| BNA              | ETHYL BENZENE        | 7800                        | ND                          |
|                  | XYLENES (TOTAL)      | 1000000                     | ND                          |
| PNA              | PHENANTHRENE         | 23000                       | ND                          |
|                  | FLUORANTHENE         | 3100                        | ND                          |
| P/PCB            | PYRENE               | 2300                        | ND                          |
|                  | BENZO(A)ANTHRACENE   | .87                         | ND                          |
| AROC             | BENZO(B)FLUORANTHENE | .87                         | ND                          |
|                  | CHRYSENE             | .87                         | ND                          |
| AROC             | BENZO(A)PYRENE       | .087                        | ND                          |
|                  | AROCLOR-1016         | 1                           | ND                          |
| AROC             | AROCLOR-1221         | 1                           | ND                          |
|                  | AROCLOR-1232         | 1                           | ND                          |
| AROC             | AROCLOR-1242         | 1                           | ND                          |
|                  | AROCLOR-1248         | 1                           | ND                          |
| AROC             | AROCLOR-1254         | 1                           | ND                          |
|                  | AROCLOR-1260         | 1                           | ND                          |

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Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             | PRA Description / RUN       |                             |
|------------------|-----------------------------|-----------------------------|-----------------------------|
|                  | Sample Type                 | Normal Sample               |                             |
| Sample Id        | CHU-ASD001-30001            | CHU-ASD002-30001            | CHU-ASD003-30001            |
| Depth - ft bgs   | 0 - 0.5                     | 0 - 0.5                     | 0 - 0.5                     |
| Collected Date   | 10/13/99                    | 10/13/99                    | 10/13/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       |
| Category         | Analyte                     | Action Level                | Result Flag > CAL*          |
| METAL            | ANTIMONY, TOTAL             | 31                          | ND                          |
|                  | BARIUM, TOTAL               | 5500                        | 111                         |
|                  | CADMIUM, TOTAL              | 39                          | ND                          |
|                  | CHROMIUM, TOTAL             | 230                         | 14.1                        |
|                  | LEAD, TOTAL                 | 400                         | ND                          |
|                  | NICKEL, TOTAL               | 1600                        | ND                          |
|                  | ARSENIC, TOTAL              | .43                         | 5.2 X                       |
|                  |                             |                             | 5.6 X                       |
|                  |                             |                             | 4.1 X                       |
|                  |                             |                             | ND                          |
|                  |                             |                             | 63.1 ND                     |
|                  |                             |                             | ND                          |
|                  |                             |                             | 9.6 ND                      |
|                  |                             |                             | ND                          |
|                  |                             |                             | ND                          |
|                  |                             |                             | ND                          |
|                  |                             |                             | ND                          |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA                 | 6                           |                             |                             |        |             |
|---------------------|-----------------------------|-----------------------------|-----------------------------|--------|-------------|
| DRAINAGE CHANNEL #1 |                             |                             |                             |        |             |
| Sample Type         | Normal Sample               |                             |                             |        |             |
| Sample Id           | CHU-ASD004-30001            | CHU-ASD005-30001            | CHU-ASD006-30001            |        |             |
| Depth - ft bgs      | 0 - 0.5                     | 0 - 0.5                     | 0 - 0.5                     |        |             |
| Collected Date      | 10/13/99                    | 10/13/99                    | 10/13/99                    |        |             |
| Laboratory          | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |        |             |
| Sample Collector    | SE Technologies             | SE Technologies             | SE Technologies             |        |             |
| Result Units        | MG/KG                       | MG/KG                       | MG/KG                       |        |             |
| Category            | Analyte                     | Action Level                | Result Flag                 | > CAL* | Result Flag |
| VOA                 | BENZENE                     | 12                          | ND                          | ND     | ND          |
|                     | TOLUENE                     | 16000                       | ND                          | ND     | ND          |
| BNA                 | ETHYL BENZENE               | 7800                        | ND                          | ND     | ND          |
|                     | XYLENES (TOTAL)             | 1000000                     | ND                          | ND     | ND          |
| P/PCB               | PHENANTHRENE                | 23000                       | ND                          | ND     | ND          |
|                     | FLUORANTHENE                | 3100                        | ND                          | ND     | ND          |
| P/PCB               | PYRENE                      | 2300                        | ND                          | ND     | ND          |
|                     | BENZO(A)ANTHRACENE          | .87                         | ND                          | ND     | ND          |
| P/PCB               | BENZO(B)FLUORANTHENE        | .87                         | ND                          | ND     | ND          |
|                     | CHRYSENE                    | .87                         | ND                          | ND     | ND          |
| P/PCB               | BENZO(A)PYRENE              | .087                        | ND                          | ND     | ND          |
|                     | AROCLOR-1016                | 1                           | ND                          | ND     | ND          |
| P/PCB               | AROCLOR-1221                | 1                           | ND                          | ND     | ND          |
|                     | AROCLOR-1232                | 1                           | ND                          | ND     | ND          |
| P/PCB               | AROCLOR-1242                | 1                           | ND                          | ND     | ND          |
|                     | AROCLOR-1248                | 1                           | ND                          | ND     | ND          |
| P/PCB               | AROCLOR-1254                | 1                           | ND                          | ND     | ND          |
|                     | AROCLOR-1260                | 1                           | ND                          | ND     | ND          |

Notes:

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Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |                             |                             |                             |                             |        |
|------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------|
| PRA              | 6                           | DRAINAGE CHANNEL #1         |                             |                             |                             |        |
| PRA Description  |                             | Normal Sample               |                             |                             |                             |        |
| Sample Type      |                             | Sample Id                   | CHU-ASD004-30001            | CHU-ASD005-30001            | CHU-ASD006-30001            |        |
| Depth - ft bgs   | 0 - 0.5                     | 0 - 0.5                     | 0 - 0.5                     | 0 - 0.5                     | 0 - 0.5                     |        |
| Collected Date   | 10/13/99                    | 10/13/99                    | 10/13/99                    | 10/13/99                    | 10/13/99                    |        |
| Laboratory       | CT&E Environmental Services |        |
| Sample Collector | SE Technologies             |        |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       |        |
| Category         | Analyte                     | Action Level                | > CAL*                      | > CAL*                      | > CAL*                      | > CAL* |
| METAL            | ANTIMONY, TOTAL             | 31                          | ND                          | 12.4 R                      | 12.4 R                      | 12.9 R |
|                  | BARIUM, TOTAL               | 5500                        | 112                         | 166                         | 166                         | 101    |
|                  | CADMIUM, TOTAL              | 39                          | ND                          | ND                          | ND                          | ND     |
|                  | CHROMIUM, TOTAL             | 230                         | 11.2                        | 17.2                        | 17.2                        | 13.4   |
|                  | LEAD, TOTAL                 | 400                         | ND                          | ND                          | ND                          | 45.8   |
|                  | NICKEL, TOTAL               | 1600                        | ND                          | ND                          | ND                          | ND     |
|                  | ARSENIC, TOTAL              | .43                         | 3.7                         | X                           | 5.8 J-                      | X      |
|                  |                             |                             |                             |                             | 4.2 J-                      | X      |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              | 7                           | NATURAL GAS COMP. CRANK | 8  | ESD BLOWDOWN A   | 9                           | ESD BLOWDOWN B |
|------------------|-----------------------------|-------------------------|--|------------------|-----------------------------|----------------|
| PRA Description  |                             | Normal Sample           | <th>Normal Sample</th> <td><th>Normal Sample</th></td> | Normal Sample    | <th>Normal Sample</th>      | Normal Sample  |
| Sample Type      |                             |                         |  |                  |                             |                |
| Sample Id        | CHU-ASS006-40001            | CHU-ASS007-40001        |  | CHU-ASS008-40001 |                             |                |
| Depth - ft bgs   | 0 - 0.5                     |                         | 0 - 0.5  |                  | 0 - 0.5                     |                |
| Collected Date   | 10/11/99                    |                         | 10/11/99   |                  | 10/11/99                    |                |
| Laboratory       | CT&E Environmental Services |                         | CT&E Environmental Services                            |                  | CT&E Environmental Services |                |
| Sample Collector | SE Technologies             |                         | SE Technologies  |                  | SE Technologies             |                |
| Result Units     | MG/KG                       |                         | MG/KG  |                  | MG/KG                       |                |
| Category         | Analyte                     | Action Level            | > CAL*   | Result Flag      | > CAL*                      | Result Flag    |
| VOA              | BENZENE                     | 12                      |  |                  |                             |                |
|                  | TOLUENE                     | 16000                   |  |                  |                             |                |
|                  | ETHYL BENZENE               | 7800                    |  |                  |                             |                |
|                  | XYLENES (TOTAL)             | 1000000                 |  |                  |                             |                |
| BNA              | PHENANTHRENE                | 23000                   |  |                  |                             |                |
|                  | FLUORANTHENE                | 3100                    |  |                  |                             |                |
|                  | PYRENE                      | 2300                    |  |                  |                             |                |
|                  | BENZO(A)ANTHRACENE          | .87                     |  |                  |                             |                |
|                  | BENZO(B)FLUORANTHENE        | .87                     |  |                  |                             |                |
|                  | CHRYSENE                    | 87                      |  |                  |                             |                |
|                  | BENZO(A)PYRENE              | .087                    |  |                  |                             |                |
| P/PCB            | AROCLOR-1016                | 1                       | ND   |                  | ND                          | ND             |
|                  | AROCLOR-1221                | 1                       | ND   |                  | ND                          | ND             |
|                  | AROCLOR-1232                | 1                       | ND   |                  | ND                          | ND             |
|                  | AROCLOR-1242                | 1                       | ND   |                  | ND                          | ND             |
|                  | AROCLOR-1248                | 1                       | ND   |                  | ND                          | ND             |
|                  | AROCLOR-1254                | 1                       | ND   |                  | ND                          | ND             |
|                  | AROCLOR-1260                | 1                       | ND   |                  | ND                          | ND             |

Notes:

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Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

|                  |                 |                         |                             |                             |                             |                             |
|------------------|-----------------|-------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| PRA              | 7               | NATURAL GAS COMP. CRANK | 8                           | ESD BLOWDOWN A              | 9                           | ESD BLOWDOWN B              |
| PRA Description  |                 | Normal Sample           | Normal Sample               | Normal Sample               | Normal Sample               | Normal Sample               |
| Sample Type      |                 | CHU-ASS006-40001        | CHU-ASS007-40001            | CHU-ASS008-40001            | CHU-ASS008-40001            | CHU-ASS008-40001            |
| Sample Id        |                 | 0 - 0.5                 | 0 - 0.5                     | 0 - 0.5                     | 0 - 0.5                     | 0 - 0.5                     |
| Depth - ft bgs   |                 | 10/11/99                | 10/11/99                    | 10/11/99                    | 10/11/99                    | 10/11/99                    |
| Collected Date   |                 | Laboratory              | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |
| Laboratory       |                 | Sample Collector        | SE Technologies             | SE Technologies             | SE Technologies             | SE Technologies             |
| Sample Collector |                 | Result Units            | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       |
| Result Units     |                 | Action Level            | > CAL*                      | > CAL*                      | > CAL*                      | > CAL*                      |
| METAL            | ANTIMONY, TOTAL | 31                      |                             |                             |                             |                             |
|                  | BARIUM, TOTAL   | 5500                    |                             |                             |                             |                             |
|                  | CADMIUM, TOTAL  | 39                      |                             |                             |                             |                             |
|                  | CHROMIUM, TOTAL | 230                     |                             |                             |                             |                             |
|                  | LEAD, TOTAL     | 400                     |                             |                             |                             |                             |
|                  | NICKEL, TOTAL   | 1600                    |                             |                             |                             |                             |
|                  | ARSENIC, TOTAL  | .43                     |                             |                             |                             |                             |

Notes:

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              | 10                          | 11                          |
|------------------|-----------------------------|-----------------------------|
| PRA Description  | ESD BLOWDOWN C              | STARTING AIR ART ESD ART    |
| Sample Type      | Normal Sample               | Normal Sample               |
| Sample Id        | CHU-ASS009-40001            | CHU-ASS010-40001            |
| Depth - ft bgs   | 0 - 0.5                     | 0 - 0.5                     |
| Collected Date   | 10/11/99                    | 10/11/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       |
| Category         | Analyte                     | Action Level                |
| VOA              | BENZENE                     | 12                          |
|                  | TOLUENE                     | 16000                       |
|                  | ETHYL BENZENE               | 7800                        |
|                  | XYLENES (TOTAL)             | 1000000                     |
| BNA              | PHENANTHRENE                | 23000                       |
|                  | FLUORANTHENE                | 3100                        |
|                  | PYRENE                      | 2300                        |
|                  | BENZO(A)ANTHRACENE          | .87                         |
|                  | BENZO(B)FLUORANTHENE        | .87                         |
|                  | CHRYSENE                    | 87                          |
|                  | BENZO(A)PYRENE              | .087                        |
| P/PCB            | AROCLOR-1016                | ND                          |
|                  | AROCLOR-1221                | ND                          |
|                  | AROCLOR-1232                | ND                          |
|                  | AROCLOR-1242                | ND                          |
|                  | AROCLOR-1248                | ND                          |
|                  | AROCLOR-1254                | ND                          |
|                  | AROCLOR-1260                | ND                          |

Notes:

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**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |                             |
|------------------|-----------------------------|-----------------------------|
| PRA              | 10                          | 11                          |
| PRA Description  | ESD BLOWDOWN C              | STARTING AIR ART ESD ART    |
| Sample Type      | Normal Sample               | Normal Sample               |
| Sample Id        | CHU-ASS009-40001            | CHU-ASS010-40001            |
| Depth - ft bgs   | 0 - 0.5                     | 0 - 0.5                     |
| Collected Date   | 10/11/99                    | 10/11/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       |
| Category         | Analyte                     | Action Level                |
| METAL            | ANTIMONY, TOTAL             | 31                          |
|                  | BARIUM, TOTAL               | 5500                        |
|                  | CADMIUM, TOTAL              | 39                          |
|                  | CHROMIUM, TOTAL             | 230                         |
|                  | LEAD, TOTAL                 | 400                         |
|                  | NICKEL, TOTAL               | 1600                        |
|                  | ARSENIC, TOTAL              | .43                         |

Notes:

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              | 12                          | DRUM STORAGE AREA #1        |             |                             |             |        |             |
|------------------|-----------------------------|-----------------------------|-------------|-----------------------------|-------------|--------|-------------|
| PRA Description  | Field Duplicate (Rep)       | Normal Sample               |             |                             |             |        |             |
| Sample Id        | CHU-ASS012-41001            | CHU-ASS012-40001            |             | CHU-ASS013-40001            |             |        |             |
| Depth - ft bgs   | 0 - 1                       | 0 - 1                       |             | 0 - 1                       |             |        |             |
| Collected Date   | 10/12/99                    | 10/12/99                    |             | 10/12/99                    |             |        |             |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services |             | CT&E Environmental Services |             |        |             |
| Sample Collector | SE Technologies             | SE Technologies             |             | SE Technologies             |             |        |             |
| Result Units     | MG/KG                       | MG/KG                       |             | MG/KG                       |             |        |             |
| Category         | Analyte                     | Action Level                | Result Flag | > CAL*                      | Result Flag | > CAL* | Result Flag |
| VOA              | BENZENE                     | 12                          | ND          |                             | ND          |        | ND          |
|                  | TOLUENE                     | 16000                       | ND          |                             | ND          |        | ND          |
|                  | ETHYL BENZENE               | 7800                        | ND          |                             | ND          |        | ND          |
|                  | XYLENES (TOTAL)             | 1000000                     | ND          |                             | ND          |        | ND          |
| BNA              | PHENANTHRENE                | 23000                       | ND          |                             | ND          |        | ND          |
|                  | FLUORANTHENE                | 3100                        | ND          |                             | ND          |        | ND          |
|                  | PYRENE                      | 2300                        | ND          |                             | ND          |        | ND          |
|                  | BENZO(A)ANTHRACENE          | .87                         | ND          |                             | ND          |        | ND          |
|                  | BENZO(B)FLUORANTHENE        | .87                         | ND          |                             | ND          |        | ND          |
|                  | CHRYSENE                    | .87                         | ND          |                             | ND          |        | ND          |
|                  | BENZO(A)PYRENE              | .087                        | ND          |                             | ND          |        | ND          |
| P/PCB            | AROCLOR-1016                | 1                           | ND          |                             | ND          |        | ND          |
|                  | AROCLOR-1221                | 1                           | ND          |                             | ND          |        | ND          |
|                  | AROCLOR-1232                | 1                           | ND          |                             | ND          |        | ND          |
|                  | AROCLOR-1242                | 1                           | ND          |                             | ND          |        | ND          |
|                  | AROCLOR-1248                | 1                           | ND          |                             | ND          |        | ND          |
|                  | AROCLOR-1254                | 1                           | ND          |                             | ND          |        | ND          |
|                  | AROCLOR-1260                | 1                           | ND          |                             | ND          |        | ND          |

Notes:

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**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |              |             |        |             |        |                             |
|------------------|-----------------------------|--------------|-------------|--------|-------------|--------|-----------------------------|
| PRA              | 12                          |              |             |        |             |        |                             |
| PRA Description  | <b>DRUM STORAGE AREA #1</b> |              |             |        |             |        |                             |
| Sample Type      | Field Duplicate (Rep)       |              |             |        |             |        | Normal Sample               |
| Sample Id        | CHU-ASS012-41001            |              |             |        |             |        | CHU-ASS013-40001            |
| Depth - ft bgs   | 0 - 1                       |              |             |        |             |        | 0 - 1                       |
| Collected Date   | 10/12/99                    |              |             |        |             |        | 10/12/99                    |
| Laboratory       | CT&E Environmental Services |              |             |        |             |        | CT&E Environmental Services |
| Sample Collector | SE Technologies             |              |             |        |             |        | SE Technologies             |
| Result Units     | MG/KG                       |              |             |        |             |        | MG/KG                       |
| Category         | Analyte                     | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag                 |
| METAL            | ANTIMONY, TOTAL             | 31           | 11.1 R      |        | 11.0 R      |        | 11.3 R                      |
|                  | BARIUM, TOTAL               | 5500         | 139         |        | 147         |        | 123                         |
|                  | CADMIUM, TOTAL              | 39           | ND          |        | ND          |        | ND                          |
|                  | CHROMIUM, TOTAL             | 230          | 8.2         |        | 8.0         |        | 8.1                         |
|                  | LEAD, TOTAL                 | 400          | ND          |        | ND          |        | ND                          |
|                  | NICKEL, TOTAL               | 1600         | 11.9        |        | 14.5        |        | 14.0                        |
|                  | ARSENIC, TOTAL              | .43          | 5.9 J       | X      | 5.6 J       | X      | 5.9 J X                     |

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**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |              |             |        |             |        |                             |
|------------------|-----------------------------|--------------|-------------|--------|-------------|--------|-----------------------------|
| PRA              | 13                          |              |             |        |             |        |                             |
| PRA Description  | <b>DRUM STORAGE AREA #2</b> |              |             |        |             |        |                             |
| Sample Type      | Field Duplicate (Rep)       |              |             |        |             |        | Normal Sample               |
| Sample Id        | CHU-ASB015-71001            |              |             |        |             |        | CHU-ASB015-70001            |
| Depth - ft bgs   | 2 - 3                       |              |             |        |             |        | 2 - 3                       |
| Collected Date   | 10/13/99                    |              |             |        |             |        | 10/13/99                    |
| Laboratory       | CT&E Environmental Services |              |             |        |             |        | CT&E Environmental Services |
| Sample Collector | SE Technologies             |              |             |        |             |        | SE Technologies             |
| Result Units     | MG/KG                       |              |             |        |             |        | MG/KG                       |
| Category         | Analyte                     | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag                 |
| VOA              | BENZENE                     | 12           | ND          |        | ND          |        | ND                          |
|                  | TOLUENE                     | 16000        | ND          |        | ND          |        | ND                          |
|                  | ETHYL BENZENE               | 7800         | ND          |        | ND          |        | ND                          |
|                  | XYLENES (TOTAL)             | 1000000      | ND          |        | ND          |        | ND                          |
| BNA              | PHENANTHRENE                | 23000        |             |        |             |        |                             |
|                  | FLUORANTHENE                | 3100         |             |        |             |        |                             |
|                  | PYRENE                      | 2300         |             |        |             |        |                             |
|                  | BENZO(A)ANTHRACENE          | .87          |             |        |             |        |                             |
|                  | BENZO(B)FLUORANTHENE        | .87          |             |        |             |        |                             |
|                  | CHRYSENE                    | 87           |             |        |             |        |                             |
|                  | BENZO(A)PYRENE              | .087         |             |        |             |        |                             |
| P/PCB            | AROCOLOR-1016               | 1            | ND          |        | ND          |        | ND                          |
|                  | AROCOLOR-1221               | 1            | ND          |        | ND          |        | ND                          |
|                  | AROCOLOR-1232               | 1            | ND          |        | ND          |        | ND                          |
|                  | AROCOLOR-1242               | 1            | ND          |        | ND          |        | ND                          |
|                  | AROCOLOR-1248               | 1            | ND          |        | ND          |        | ND                          |
|                  | AROCOLOR-1254               | 1            | ND          |        | ND          |        | ND                          |
|                  | AROCOLOR-1260               | 1            | ND          |        | ND          |        | ND                          |

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**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |              |             |                             |                             |                  |
|------------------|-----------------------------|--------------|-------------|-----------------------------|-----------------------------|------------------|
| PRA              | 13                          |              |             |                             |                             |                  |
| PRA Description  | <b>DRUM STORAGE AREA #2</b> |              |             |                             |                             |                  |
| Sample Type      | Field Duplicate (Rep)       |              |             | Normal Sample               |                             |                  |
| Sample Id        | CHU-ASB015-71001            |              |             | CHU-ASB015-40001            |                             | CHU-ASB015-70001 |
| Depth - ft bgs   | 2 - 3                       |              |             | 0 - 1                       |                             | 2 - 3            |
| Collected Date   | 10/13/99                    |              |             | 10/13/99                    |                             | 10/13/99         |
| Laboratory       | CT&E Environmental Services |              |             | CT&E Environmental Services | CT&E Environmental Services |                  |
| Sample Collector | SE Technologies             |              |             | SE Technologies             | SE Technologies             |                  |
| Result Units     | MG/KG                       |              |             | MG/KG                       | MG/KG                       |                  |
| Category         | Analyte                     | Action Level | Result Flag | > CAL*                      | Result Flag                 | > CAL*           |
| METAL            | ANTIMONY, TOTAL             |              | 31          |                             |                             |                  |
|                  | BARIUM, TOTAL               |              | 5500        |                             |                             |                  |
|                  | CADMIUM, TOTAL              |              | 39          |                             |                             |                  |
|                  | CHROMIUM, TOTAL             |              | 230         |                             |                             |                  |
|                  | LEAD, TOTAL                 |              | 400         |                             |                             |                  |
|                  | NICKEL, TOTAL               |              | 1600        |                             |                             |                  |
|                  | ARSENIC, TOTAL              |              | .43         | 4.4 J-                      | X                           | 4.3 J-           |
|                  |                             |              |             |                             | X                           | 4.1 J-           |
|                  |                             |              |             |                             |                             | X                |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              | 14                          | 14                          | 15                          |
|------------------|-----------------------------|-----------------------------|-----------------------------|
| PRA Description  | DRUM STORAGE AREA #3        |                             |                             |
| Sample Type      | SUCTION GAS SCRUBBER        |                             |                             |
| Sample Id        | CHU-ASB015-70002            | CHU-ASS014-40001            | CHU-ASB016-40001            |
| Depth - ft bgs   | 3 - 4                       | 0 - 1                       | 0 - 1                       |
| Collected Date   | 10/13/99                    | 10/12/99                    | 10/13/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       |
| Category         | Analyte                     | Action Level                | > CAL*                      |
| VOA              | BENZENE                     | 12                          | ND                          |
|                  | TOLUENE                     | 16000                       | ND                          |
|                  | ETHYL BENZENE               | 7800                        | ND                          |
|                  | XYLENES (TOTAL)             | 1000000                     | ND                          |
| BNA              | PHENANTHRENE                | 23000                       |                             |
|                  | FLUORANTHENE                | 3100                        |                             |
|                  | PYRENE                      | 2300                        |                             |
|                  | BENZO(A)ANTHRACENE          | .87                         |                             |
|                  | BENZO(B)FLUORANTHENE        | .87                         |                             |
|                  | CHRYSENE                    | 87                          |                             |
|                  | BENZO(A)PYRENE              | .087                        |                             |
| P/PCB            | AROCLOR-1016                | 1                           | ND                          |
|                  | AROCLOR-1221                | 1                           | ND                          |
|                  | AROCLOR-1232                | 1                           | ND                          |
|                  | AROCLOR-1242                | 1                           | ND                          |
|                  | AROCLOR-1248                | 1                           | ND                          |
|                  | AROCLOR-1254                | 1                           | ND                          |
|                  | AROCLOR-1260                | 1                           | ND                          |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              | 14                          | 14                          | 15                          |
|------------------|-----------------------------|-----------------------------|-----------------------------|
| PRA Description  | DRUM STORAGE AREA #3        |                             |                             |
| Sample Type      | SUCTION GAS SCRUBBER        |                             |                             |
| Sample Id        | CHU-ASB015-70002            | CHU-ASS014-40001            | CHU-ASB016-40001            |
| Depth - ft bgs   | 3 - 4                       | 0 - 1                       | 0 - 1                       |
| Collected Date   | 10/13/99                    | 10/12/99                    | 10/13/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       |
|                  |                             |                             |                             |
| Category         | Analyte                     | Action Level                | > CAL*                      |
| VOA              | BENZENE                     | 12                          | ND                          |
|                  | TOLUENE                     | 16000                       | ND                          |
|                  | ETHYL BENZENE               | 7800                        | ND                          |
|                  | XYLENES (TOTAL)             | 1000000                     | ND                          |
| BNA              | PHENANTHRENE                | 23000                       |                             |
|                  | FLUORANTHENE                | 3100                        |                             |
|                  | PYRENE                      | 2300                        |                             |
|                  | BENZO(A)ANTHRACENE          | .87                         |                             |
|                  | BENZO(B)FLUORANTHENE        | .87                         |                             |
|                  | CHRYSENE                    | 87                          |                             |
|                  | BENZO(A)PYRENE              | .087                        |                             |
| P/PCB            | AROCLOR-1016                | 1                           | ND                          |
|                  | AROCLOR-1221                | 1                           | ND                          |
|                  | AROCLOR-1232                | 1                           | ND                          |
|                  | AROCLOR-1242                | 1                           | ND                          |
|                  | AROCLOR-1248                | 1                           | ND                          |
|                  | AROCLOR-1254                | 1                           | ND                          |
|                  | AROCLOR-1260                | 1                           | ND                          |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.  
J flag - Numerical value is an estimated quantity.  
ND indicates Non-Detect  
Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              | 14                          | 14                          | 15                          |
|------------------|-----------------------------|-----------------------------|-----------------------------|
| PRA Description  | DRUM STORAGE AREA #3        |                             |                             |
| Sample Type      | SUCTION GAS SCRUBBER        |                             |                             |
| Sample Id        | CHU-ASB015-70002            | CHU-ASS014-40001            | CHU-ASB016-40001            |
| Depth - ft bgs   | 3 - 4                       | 0 - 1                       | 0 - 1                       |
| Collected Date   | 10/13/99                    | 10/12/99                    | 10/13/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       |
| Category         | Analyte                     | Action Level                | > CAL*                      |
| METAL            | ANTIMONY, TOTAL             | 31                          |                             |
|                  | BARIUM, TOTAL               | 5500                        |                             |
|                  | CADMIUM, TOTAL              | 39                          |                             |
|                  | CHROMIUM, TOTAL             | 230                         |                             |
|                  | LEAD, TOTAL                 | 400                         |                             |
|                  | NICKEL, TOTAL               | 1600                        |                             |
|                  | ARSENIC, TOTAL              | .43                         | 4.8 J- X                    |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA              | 16                          |              |             |        |             |        |             |        |
|------------------|-----------------------------|--------------|-------------|--------|-------------|--------|-------------|--------|
| PRA Description  | DRIP                        |              |             |        |             |        |             |        |
| Sample Type      | Normal Sample               |              |             |        |             |        |             |        |
| Sample Id        | CHU-ASB016-70002            |              |             |        |             |        |             |        |
| Depth - ft bgs   | 2 - 3                       |              |             |        |             |        |             |        |
| Collected Date   | 10/13/99                    |              |             |        |             |        |             |        |
| Laboratory       | CT&E Environmental Services |              |             |        |             |        |             |        |
| Sample Collector | SE Technologies             |              |             |        |             |        |             |        |
| Result Units     | MG/KG                       |              |             |        |             |        |             |        |
|                  | MG/KG                       |              |             |        |             |        |             |        |
| Category         | Analyte                     | Action Level | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag | > CAL* |
| VOA              | BENZENE                     | 12           | ND          |        | ND          |        | ND          |        |
|                  | TOLUENE                     | 16000        | ND          |        | ND          |        | ND          |        |
|                  | ETHYL BENZENE               | 7800         | ND          |        | ND          |        | ND          |        |
|                  | XYLENES (TOTAL)             | 1000000      | ND          |        | ND          |        | ND          |        |
| BNA              | PHENANTHRENE                | 23000        |             |        |             |        | ND          |        |
|                  | FLUORANTHENE                | 3100         |             |        |             |        | ND          |        |
|                  | PYRENE                      | 2300         |             |        |             |        | ND          |        |
|                  | BENZO(A)ANTHRACENE          | .87          |             |        |             |        | ND          |        |
|                  | BENZO(B)FLUORANTHENE        | .87          |             |        |             |        | ND          |        |
|                  | CHRYSENE                    | 87           |             |        |             |        | ND          |        |
|                  | BENZO(A)PYRENE              | .087         |             |        |             |        | ND          |        |
| P/PCB            | AROCLOR-1016                | 1            | ND          |        | ND          |        | ND          |        |
|                  | AROCLOR-1221                | 1            | ND          |        | ND          |        | ND          |        |
|                  | AROCLOR-1232                | 1            | ND          |        | ND          |        | ND          |        |
|                  | AROCLOR-1242                | 1            | ND          |        | ND          |        | ND          |        |
|                  | AROCLOR-1248                | 1            | ND          |        | ND          |        | ND          |        |
|                  | AROCLOR-1254                | 1            | ND          |        | ND          |        | 0.048       |        |
|                  | AROCLOR-1260                | 1            | ND          |        | ND          |        | ND          |        |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |                             |                             |
|------------------|-----------------------------|-----------------------------|-----------------------------|
| PRA              |                             |                             | 16                          |
| PRA Description  |                             |                             | DRIP                        |
| Sample Type      |                             |                             | Normal Sample               |
| Sample Id        | CHU-ASB016-70001            | CHU-ASB016-70002            | CHU-ASD007-30001            |
| Depth - ft bgs   | 2 - 3                       | 3 - 4                       | 0 - 0.5                     |
| Collected Date   | 10/13/99                    | 10/13/99                    | 10/13/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       |
| Category         | Analyte                     | Action Level                | Result Flag                 |
| METAL            | ANTIMONY, TOTAL             | 31                          | > CAL*                      |
|                  | BARIUM, TOTAL               | 5500                        |                             |
|                  | CADMIUM, TOTAL              | 39                          |                             |
|                  | CHROMIUM, TOTAL             | 230                         |                             |
|                  | LEAD, TOTAL                 | 400                         |                             |
|                  | NICKEL, TOTAL               | 1600                        |                             |
|                  | ARSENIC, TOTAL              | .43                         |                             |
|                  |                             |                             | X                           |

**Notes:**

\* "CAF" equals "X" when reported value is above characterization action level for this locale.

II flag : Numerical value is an estimated quantity

ND indicates Non-Detect.

ND indicates Not Detected.

\* \* \* > CAL equals "X" when reported value is above characterization action level for this locale.

**I flag** - Numerical value is an estimated quantity

ND indicates Non-Detect.

ND indicates Not Detected.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              | SYPHON AND FORMER SYPHON    |                             |                             |        |             |
|------------------|-----------------------------|-----------------------------|-----------------------------|--------|-------------|
| PRA Description  | Sample Type                 | Field Duplicate (Rep)       | Normal Sample               |        |             |
| Sample Id        | CHU-ASD008-30001            | CHU-ASB017-71001            | CHU-ASB017-40001            |        |             |
| Depth - ft bgs   | 0 - 0.5                     | 2 - 3                       | 0 - 1                       |        |             |
| Collected Date   | 10/13/99                    | 10/14/99                    | 10/14/99                    |        |             |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |        |             |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             |        |             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       |        |             |
| Category         | Analyte                     | Action Level                | > CAL*                      | > CAL* | Result Flag |
| VOA              | BENZENE                     | 12                          | ND                          | ND     | ND          |
|                  | TOLUENE                     | 16000                       | ND                          | ND     | ND          |
|                  | ETHYL BENZENE               | 7800                        | ND                          | ND     | ND          |
|                  | XYLENES (TOTAL)             | 1000000                     | ND                          | ND     | ND          |
| BNA              | PHENANTHRENE                | 23000                       | ND                          |        |             |
|                  | FLUORANTHENE                | 3100                        | ND                          |        |             |
|                  | PYRENE                      | 2300                        | ND                          |        |             |
|                  | BENZO(A)ANTHRACENE          | .87                         | ND                          |        |             |
|                  | BENZO(B)FLUORANTHENE        | .87                         | ND                          |        |             |
|                  | CHRYSENE                    | 87                          | ND                          |        |             |
|                  | BENZO(A)PYRENE              | .087                        | ND                          |        |             |
| P/PCB            | AROCLOR-1016                | 1                           | ND                          | ND     | ND          |
|                  | AROCLOR-1221                | 1                           | ND                          | ND     | ND          |
|                  | AROCLOR-1232                | 1                           | ND                          | ND     | ND          |
|                  | AROCLOR-1242                | 1                           | ND                          | ND     | ND          |
|                  | AROCLOR-1248                | 1                           | ND                          | ND     | ND          |
|                  | AROCLOR-1254                | 1                           | 0.055 J                     | ND     | ND          |
|                  | AROCLOR-1260                | 1                           | 0.040 J                     | ND     | ND          |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA              | 17                          | SYPHON AND FORMER SYPHON    |
|------------------|-----------------------------|-----------------------------|
| PRA Description  |                             |                             |
| Sample Type      |                             | Normal Sample               |
| Sample Id        | CHU-ASD008-30001            | CHU-ASB017-7-40001          |
| Depth - ft bgs   | 0 - 0.5                     | 2 - 3                       |
| Collected Date   | 10/13/99                    | 10/14/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       |
| Category         | Analyte                     | Action Level                |
| METAL            | ANTIMONY, TOTAL             | 31                          |
|                  | BARIUM, TOTAL               | ND                          |
|                  | CADMIUM, TOTAL              | 5500                        |
|                  | CHROMIUM, TOTAL             | 142                         |
|                  | LEAD, TOTAL                 | 39                          |
|                  | NICKEL, TOTAL               | ND                          |
|                  | ARSENIC, TOTAL              | 230                         |
|                  |                             | 16.4                        |
|                  |                             | 400                         |
|                  |                             | ND                          |
|                  |                             | 1600                        |
|                  |                             | 20.1                        |
|                  |                             | .43                         |
|                  |                             | 7.5                         |
|                  |                             | X                           |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             | 18                          |        | SURPLUS EQUIP. STORAGE AR   |        |
|------------------|-----------------------------|-----------------------------|--------|-----------------------------|--------|
| PRA Description  |                             | Normal Sample               |        |                             |        |
| Sample Type      |                             |                             |        |                             |        |
| Sample Id        | CHU-ASB017-70002            | CHU-ASB017-70002            |        | CHU-ASS015-40001            |        |
| Depth - ft bgs   | 2 - 3                       | 3 - 4                       |        | 0 - 1                       |        |
| Collected Date   | 10/14/99                    | 10/14/99                    |        | 10/12/99                    |        |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services |        | CT&E Environmental Services |        |
| Sample Collector | SE Technologies             | SE Technologies             |        | SE Technologies             |        |
| Result Units     | MG/KG                       | MG/KG                       |        | MG/KG                       |        |
| Category         | Analyte                     | Action Level                | > CAL* | Result Flag                 | > CAL* |
| VOA              | BENZENE                     | 12                          | ND     | ND                          | ND     |
|                  | TOLUENE                     | 16000                       | ND     | 0.022                       | ND     |
|                  | ETHYL BENZENE               | 7800                        | ND     | 0.033                       | ND     |
|                  | XYLENES (TOTAL)             | 1000000                     | ND     | 0.038                       | ND     |
| BNA              | PHENANTHRENE                | 23000                       |        | ND                          | ND     |
|                  | FLUORANTHENE                | 3100                        |        | ND                          | 2.1    |
|                  | PYRENE                      | 2300                        |        | ND                          | 0.75   |
|                  | BENZO(A)ANTHRACENE          | .87                         |        | ND                          | 0.50   |
|                  | BENZO(B)FLUORANTHENE        | .87                         |        | ND                          | ND     |
|                  | CHRYSENE                    | 87                          |        | ND                          | 0.50   |
| P/PCB            | BENZO(A)PYRENE              | .087                        |        | ND                          | ND     |
|                  | AROCLOR-1016                | 1                           | ND     | ND                          | ND     |
|                  | AROCLOR-1221                | 1                           | ND     | ND                          | ND     |
|                  | AROCLOR-1232                | 1                           | ND     | ND                          | ND     |
|                  | AROCLOR-1242                | 1                           | ND     | ND                          | ND     |
|                  | AROCLOR-1248                | 1                           | ND     | ND                          | ND     |
|                  | AROCLOR-1254                | 1                           | ND     | ND                          | ND     |
|                  | AROCLOR-1260                | 1                           | ND     | ND                          | ND     |

Notes:

\* " > CAL " equals " X " when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             | 18                          |        | SURPLUS EQUIP. STORAGE AR   |         |
|------------------|-----------------------------|-----------------------------|--------|-----------------------------|---------|
| PRA Description  |                             |                             |        | Normal Sample               |         |
| Sample Type      |                             |                             |        |                             |         |
| Sample Id        | CHU-ASB017-70001            | CHU-ASB017-70002            |        | CHU-ASS015-40001            |         |
| Depth - ft bgs   | 2 - 3                       | 3 - 4                       |        | 0 - 1                       |         |
| Collected Date   | 10/14/99                    | 10/14/99                    |        | 10/12/99                    |         |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services |        | CT&E Environmental Services |         |
| Sample Collector | SE Technologies             | SE Technologies             |        | SE Technologies             |         |
| Result Units     | MG/KG                       | MG/KG                       |        | MG/KG                       |         |
| Category         | Analyte                     | Action Level                | > CAL* | Result Flag                 | > CAL*  |
| METAL            | ANTIMONY, TOTAL             | 31                          |        |                             | 11.8 R  |
|                  | BARIUM, TOTAL               | 5500                        |        |                             | 84.6    |
|                  | CADMIUM, TOTAL              | 39                          |        |                             | ND      |
|                  | CHROMIUM, TOTAL             | 230                         |        |                             | 10.7    |
|                  | LEAD, TOTAL                 | 400                         |        |                             | ND      |
|                  | NICKEL, TOTAL               | 1600                        |        |                             | ND      |
|                  | ARSENIC, TOTAL              | .43                         |        |                             | 5.9 J X |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.  
 J flag - Numerical value is an estimated quantity.  
 ND indicates Non-Detect  
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**Table 4-3**  
**Summary of Analytical Results**

| PRA              | EA #2                       | SURPLUS EQUIP. STORAGE AR FIN FAN | 19                          | 20     |
|------------------|-----------------------------|-----------------------------------|-----------------------------|--------|
| Sample Type      | Normal Sample               | Normal Sample                     | Normal Sample               |        |
| Sample Id        | CHU-ASS016-40001            | CHU-ASS017-40001                  | CHU-ASS018-40001            |        |
| Depth - ft bgs   | 0 - 1                       | 0 - 1                             | 0 - 1                       |        |
| Collected Date   | 10/12/99                    | 10/12/99                          | 10/14/99                    |        |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services       | CT&E Environmental Services |        |
| Sample Collector | SE Technologies             | SE Technologies                   | SE Technologies             |        |
| Result Units     | MG/KG                       | MG/KG                             | MG/KG                       |        |
| Category         | Analyte                     | Action Level                      | > CAL*                      | > CAL* |
| VOA              | BENZENE                     | 12                                | ND                          | ND     |
|                  | TOLUENE                     | 16000                             | ND                          | ND     |
|                  | ETHYL BENZENE               | 7800                              | ND                          | ND     |
|                  | XYLENES (TOTAL)             | 1000000                           | ND                          | ND     |
| BNA              | PHENANTHRENE                | 23000                             | ND                          | ND     |
|                  | FLUORANTHENE                | 3100                              | ND                          | ND     |
|                  | PYRENE                      | 2300                              | ND                          | ND     |
|                  | BENZO(A)ANTHRACENE          | .87                               | ND                          | ND     |
|                  | BENZO(B)FLUORANTHENE        | .87                               | ND                          | ND     |
|                  | CHRYSENE                    | .87                               | ND                          | ND     |
|                  | BENZO(A)PYRENE              | .087                              | ND                          | ND     |
| P/PCB            | AROCLOR-1016                | 1                                 | ND                          | ND     |
|                  | AROCLOR-1221                | 1                                 | ND                          | ND     |
|                  | AROCLOR-1232                | 1                                 | ND                          | ND     |
|                  | AROCLOR-1242                | 1                                 | ND                          | ND     |
|                  | AROCLOR-1248                | 1                                 | ND                          | ND     |
|                  | AROCLOR-1254                | 1                                 | ND                          | ND     |
|                  | AROCLOR-1260                | 1                                 | ND                          | ND     |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              | EA #2                       | SURPLUS EQUIP. STORAGE AR FIN FAN | 19                          | 20          |
|------------------|-----------------------------|-----------------------------------|-----------------------------|-------------|
| Sample Type      | Normal Sample               | Normal Sample                     |                             |             |
| Sample Id        | CHU-ASS016-40001            | CHU-ASS017-40001                  | CHU-ASB018-40001            |             |
| Depth - ft bgs   | 0 - 1                       | 0 - 1                             | 0 - 1                       |             |
| Collected Date   | 10/12/99                    | 10/12/99                          | 10/14/99                    |             |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services       | CT&E Environmental Services |             |
| Sample Collector | SE Technologies             | SE Technologies                   | SE Technologies             |             |
| Result Units     | MG/KG                       | MG/KG                             | MG/KG                       |             |
| Category         | Analyte                     | Action Level                      | > CAL*                      | Result Flag |
| METAL            | ANTIMONY, TOTAL             | 31                                | 12.4 R                      | 11.9 R      |
|                  | BARIUM, TOTAL               | 5500                              | 98.8                        | 125         |
|                  | CADMIUM, TOTAL              | 39                                | ND                          | ND          |
|                  | CHROMIUM, TOTAL             | 230                               | 14.3                        | 19.8        |
|                  | LEAD, TOTAL                 | 400                               | ND                          | ND          |
|                  | NICKEL, TOTAL               | 1600                              | ND                          | 14.8        |
|                  | ARSENIC, TOTAL              | .43                               | 7.2 J                       | X           |
|                  |                             |                                   | 7.2 J                       | X           |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             | 21                          |                             |
|------------------|-----------------------------|-----------------------------|-----------------------------|
| PRA Description  |                             | NGL COOLING UNIT            |                             |
| Sample Type      |                             | Normal Sample               |                             |
| Sample Id        | CHU-ASB018-70002            | CHU-ASB018-70002            | CHU-ASB019-40001            |
| Depth - ft bgs   | 2 - 3                       | 3 - 4                       | 0 - 1                       |
| Collected Date   | 10/14/99                    | 10/14/99                    | 10/13/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       |
| Category         | Analyte                     | Action Level                | > CAL*                      |
| VOA              | BENZENE                     | 12                          | 0.81                        |
|                  | TOLUENE                     | 16000                       | 1.2                         |
| BNA              | ETHYL BENZENE               | 7800                        | 0.86                        |
|                  | XYLENES (TOTAL)             | 1000000                     | 0.89                        |
| P/PCB            | PHENANTHRENE                | 23000                       | ND                          |
|                  | FLUORANTHENE                | 3100                        | ND                          |
| P/PCB            | PYRENE                      | 2300                        | ND                          |
|                  | BENZO(A)ANTHRACENE          | .87                         | ND                          |
| P/PCB            | BENZO(B)FLUORANTHENE        | .87                         | ND                          |
|                  | CHRYSENE                    | .87                         | ND                          |
| P/PCB            | BENZO(A)PYRENE              | .087                        | ND                          |
|                  | AROCLOR-1016                | 1                           | ND                          |
| P/PCB            | AROCLOR-1221                | 1                           | ND                          |
|                  | AROCLOR-1232                | 1                           | ND                          |
| P/PCB            | AROCLOR-1242                | 1                           | ND                          |
|                  | AROCLOR-1248                | 1                           | ND                          |
| P/PCB            | AROCLOR-1254                | 1                           | ND                          |
|                  | AROCLOR-1260                | 1                           | ND                          |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |        | 21                          |
|------------------|-----------------------------|-----------------------------|--------|-----------------------------|
| PRA Description  |                             |                             |        | NGL COOLING UNIT            |
| Sample Type      |                             |                             |        | Normal Sample               |
| Sample Id        | CHU-ASB018-70001            |                             |        | CHU-ASB019-40001            |
| Depth - ft bgs   | 2 - 3                       | 3 - 4                       |        | 0 - 1                       |
| Collected Date   | 10/14/99                    | 10/14/99                    |        | 10/13/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services |        | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             |        | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       |        | MG/KG                       |
| Category         | Analyte                     | Action Level                | > CAL* | Result Flag                 |
| METAL            | ANTIMONY, TOTAL             | 31                          |        | > CAL*                      |
|                  | BARIUM, TOTAL               | 5500                        |        |                             |
|                  | CADMIUM, TOTAL              | 39                          |        |                             |
|                  | CHROMIUM, TOTAL             | 230                         |        |                             |
|                  | LEAD, TOTAL                 | 400                         |        |                             |
|                  | NICKEL, TOTAL               | 1600                        |        |                             |
|                  | ARSENIC, TOTAL              | .43                         |        |                             |
|                  |                             |                             |        | 3.1 J-                      |
|                  |                             |                             |        | X                           |

Notes:

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |             |        |             | 22                          |
|------------------|-----------------------------|-----------------------------|-------------|--------|-------------|-----------------------------|
| PRA Description  |                             |                             |             |        |             | COMPRESSOR BUILDING DRAI    |
| Sample Type      |                             |                             |             |        |             | Normal Sample               |
| Sample Id        | CHU-ASB019-70002            | CHU-ASB019-70002            |             |        |             | CHU-ASS018-40001            |
| Depth - ft bgs   | 2 - 3                       | 3 - 4                       |             |        |             | 0 - 0                       |
| Collected Date   | 10/13/99                    | 10/13/99                    |             |        |             | 10/14/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services |             |        |             | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             |             |        |             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       |             |        |             | MG/KG                       |
| Category         | Analyte                     | Action Level                | Result Flag | > CAL* | Result Flag | > CAL*                      |
| VOA              | BENZENE                     | 12                          | ND          |        | ND          |                             |
|                  | TOLUENE                     | 16000                       | ND          |        | ND          |                             |
|                  | ETHYL BENZENE               | 7800                        | ND          |        | ND          |                             |
|                  | XYLENES (TOTAL)             | 1000000                     | ND          |        | ND          |                             |
| BNA              | PHENANTHRENE                | 23000                       |             |        |             |                             |
|                  | FLUORANTHENE                | 3100                        |             |        |             |                             |
|                  | PYRENE                      | 2300                        |             |        |             |                             |
|                  | BENZO(A)ANTHRACENE          | .87                         |             |        |             |                             |
|                  | BENZO(B)FLUORANTHENE        | .87                         |             |        |             |                             |
|                  | CHRYSENE                    | 87                          |             |        |             |                             |
|                  | BENZO(A)PYRENE              | .087                        |             |        |             |                             |
| P/PCB            | AROCOLOR-1016               | 1                           | ND          |        | ND          | ND                          |
|                  | AROCOLOR-1221               | 1                           | ND          |        | ND          | ND                          |
|                  | AROCOLOR-1232               | 1                           | ND          |        | ND          | ND                          |
|                  | AROCOLOR-1242               | 1                           | ND          |        | ND          | ND                          |
|                  | AROCOLOR-1248               | 1                           | ND          |        | ND          | ND                          |
|                  | AROCOLOR-1254               | 1                           | ND          |        | ND          | ND                          |
|                  | AROCOLOR-1260               | 1                           | ND          |        | ND          | ND                          |

Notes:

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Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |        |             |        | 22                          |
|------------------|-----------------------------|-----------------------------|--------|-------------|--------|-----------------------------|
| PRA Description  |                             |                             |        |             |        | COMPRESSOR BUILDING DRAI    |
| Sample Type      |                             |                             |        |             |        | Normal Sample               |
| Sample Id        | CHU-ASB019-70001            | CHU-ASB019-70002            |        |             |        | CHU-ASS018-40001            |
| Depth - ft bgs   | 2 - 3                       | 3 - 4                       |        |             |        | 0 - 0                       |
| Collected Date   | 10/13/99                    | 10/13/99                    |        |             |        | 10/14/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services |        |             |        | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             |        |             |        | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       |        |             |        | MG/KG                       |
| Category         | Analyte                     | Action Level                | > CAL* | Result Flag | > CAL* | Result Flag                 |
| METAL            | ANTIMONY, TOTAL             | 31                          |        |             |        |                             |
|                  | BARIUM, TOTAL               | 5500                        |        |             |        |                             |
|                  | CADMIUM, TOTAL              | 39                          |        |             |        |                             |
|                  | CHROMIUM, TOTAL             | 230                         |        |             |        |                             |
|                  | LEAD, TOTAL                 | 400                         |        |             |        |                             |
|                  | NICKEL, TOTAL               | 1600                        |        |             |        |                             |
|                  | ARSENIC, TOTAL              | .43                         | 2.8    | J-          | X      | 2.1                         |
|                  |                             |                             |        |             |        | X                           |

Notes:

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Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |                             |                             |             |
|------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|
| PRA Description  | NAGE PITS                   |                             |                             |                             |             |
| Sample Type      |                             |                             |                             |                             |             |
| Sample Id        | CHU-ASS019-40001            | CHU-ASS020-40001            | CHU-ASS021-40001            |                             |             |
| Depth - ft bgs   | 0 - 0                       | 0 - 0                       | 0 - 0                       | 0 - 0                       |             |
| Collected Date   | 10/14/99                    | 10/14/99                    | 10/14/99                    | 10/14/99                    |             |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |             |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             | SE Technologies             |             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       |             |
| Category         | Analyte                     | Action Level                | > CAL*                      | > CAL*                      | Result Flag |
| VOA              | BENZENE                     | 12                          |                             |                             |             |
|                  | TOLUENE                     | 16000                       |                             |                             |             |
|                  | ETHYL BENZENE               | 7800                        |                             |                             |             |
|                  | XYLENES (TOTAL)             | 1000000                     |                             |                             |             |
| BNA              | PHENANTHRENE                | 23000                       |                             |                             |             |
|                  | FLUORANTHENE                | 3100                        |                             |                             |             |
|                  | PYRENE                      | 2300                        |                             |                             |             |
|                  | BENZO(A)ANTHRACENE          | .87                         |                             |                             |             |
|                  | BENZO(B)FLUORANTHENE        | .87                         |                             |                             |             |
|                  | CHRYSENE                    | 87                          |                             |                             |             |
| P/PCB            | BENZO(A)PYRENE              | .087                        |                             |                             |             |
|                  | AROCLOR-1016                | 1                           | ND                          | ND                          | ND          |
|                  | AROCLOR-1221                | 1                           | ND                          | ND                          | ND          |
|                  | AROCLOR-1232                | 1                           | ND                          | ND                          | ND          |
|                  | AROCLOR-1242                | 1                           | ND                          | ND                          | ND          |
|                  | AROCLOR-1248                | 1                           | ND                          | ND                          | ND          |
|                  | AROCLOR-1254                | 1                           | ND                          | ND                          | ND          |
|                  | AROCLOR-1260                | 1                           | ND                          | ND                          | ND          |

Notes:

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Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |                             |             |        |
|------------------|-----------------------------|-----------------------------|-----------------------------|-------------|--------|
| PRA Description  | NAGE PITS                   |                             |                             |             |        |
| Sample Type      |                             |                             |                             |             |        |
| Sample Id        | CHU-ASS019-40001            | CHU-ASS020-40001            | CHU-ASS021-40001            |             |        |
| Depth - ft bgs   | 0 - 0                       | 0 - 0                       | 0 - 0                       |             |        |
| Collected Date   | 10/14/99                    | 10/14/99                    | 10/14/99                    |             |        |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |             |        |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             |             |        |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       |             |        |
| Category         | Analyte                     | Action Level                | > CAL*                      | Result Flag | > CAL* |
| METAL            | ANTIMONY, TOTAL             | 31                          |                             |             |        |
|                  | BARIUM, TOTAL               | 5500                        |                             |             |        |
|                  | CADMIUM, TOTAL              | 39                          |                             |             |        |
|                  | CHROMIUM, TOTAL             | 230                         |                             |             |        |
|                  | LEAD, TOTAL                 | 400                         |                             |             |        |
|                  | NICKEL, TOTAL               | 1600                        |                             |             |        |
|                  | ARSENIC, TOTAL              | .43                         |                             |             |        |

Notes:

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Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |                     |        |             |        |                             |
|------------------|-----------------------------|---------------------|--------|-------------|--------|-----------------------------|
| PRA              | 23                          | COMPRESSOR BUILDING |        |             |        |                             |
| PRA Description  | Field Duplicate (Rep)       |                     |        |             |        | Normal Sample               |
| Sample Type      | CHU-ASS022-41001            |                     |        |             |        | CHU-ASS023-40001            |
| Sample Id        | CHU-ASS022-41001            |                     |        |             |        | CHU-ASS023-40001            |
| Depth - ft bgs   | 0 - 0                       |                     |        |             |        | 0 - 0                       |
| Collected Date   | 10/14/99                    |                     |        |             |        | 10/14/99                    |
| Laboratory       | CT&E Environmental Services |                     |        |             |        | CT&E Environmental Services |
| Sample Collector | SE Technologies             |                     |        |             |        | SE Technologies             |
| Result Units     | MG/KG                       |                     |        |             |        | MG/KG                       |
| Category         | Analyte                     | Action Level        | > CAL* | Result Flag | > CAL* | Result Flag                 |
| VOA              | BENZENE                     | 12                  |        |             |        |                             |
|                  | TOLUENE                     | 16000               |        |             |        |                             |
|                  | ETHYL BENZENE               | 7800                |        |             |        |                             |
|                  | XYLENES (TOTAL)             | 1000000             |        |             |        |                             |
| BNA              | PHENANTHRENE                | 23000               |        |             |        |                             |
|                  | FLUORANTHENE                | 3100                |        |             |        |                             |
|                  | PYRENE                      | 2300                |        |             |        |                             |
|                  | BENZO(A)ANTHRACENE          | .87                 |        |             |        |                             |
|                  | BENZO(B)FLUORANTHENE        | .87                 |        |             |        |                             |
|                  | CHRYSENE                    | 87                  |        |             |        |                             |
|                  | BENZO(A)PYRENE              | .087                |        |             |        |                             |
| P/PCB            | AROCLOR-1016                | 1                   | ND     |             | ND     | ND                          |
|                  | AROCLOR-1221                | 1                   | ND     |             | ND     | ND                          |
|                  | AROCLOR-1232                | 1                   | ND     |             | ND     | ND                          |
|                  | AROCLOR-1242                | 1                   | ND     |             | ND     | ND                          |
|                  | AROCLOR-1248                | 1                   | ND     |             | ND     | ND                          |
|                  | AROCLOR-1254                | 1                   | ND     |             | ND     | ND                          |
|                  | AROCLOR-1260                | 1                   | ND     |             | ND     | ND                          |

Notes:

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**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |              |             |                             |             |                             |
|------------------|-----------------------------|--------------|-------------|-----------------------------|-------------|-----------------------------|
| PRA              | 23                          |              |             |                             |             |                             |
| PRA Description  | <b>COMPRESSOR BUILDING</b>  |              |             |                             |             |                             |
| Sample Type      | Field Duplicate (Rep)       |              |             | Normal Sample               |             |                             |
| Sample Id        | CHU-ASS022-41001            |              |             | CHU-ASS022-40001            |             | CHU-ASS023-40001            |
| Depth - ft bgs   | 0 - 0                       |              |             | 0 - 0                       |             | 0 - 0                       |
| Collected Date   | 10/14/99                    |              |             | 10/14/99                    |             | 10/14/99                    |
| Laboratory       | CT&E Environmental Services |              |             | CT&E Environmental Services |             | CT&E Environmental Services |
| Sample Collector | SE Technologies             |              |             | SE Technologies             |             | SE Technologies             |
| Result Units     | MG/KG                       |              |             | MG/KG                       |             | MG/KG                       |
| Category         | Analyte                     | Action Level | Result Flag | > CAL*                      | Result Flag | > CAL*                      |
| METAL            | ANTIMONY, TOTAL             |              | 31          |                             |             |                             |
|                  | BARIUM, TOTAL               |              | 5500        |                             |             |                             |
|                  | CADMIUM, TOTAL              |              | 39          |                             |             |                             |
|                  | CHROMIUM, TOTAL             |              | 230         |                             |             |                             |
|                  | LEAD, TOTAL                 |              | 400         |                             |             |                             |
|                  | NICKEL, TOTAL               |              | 1600        |                             |             |                             |
|                  | ARSENIC, TOTAL              |              | .43         |                             |             |                             |

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Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA              | 24                          | 25                          |
|------------------|-----------------------------|-----------------------------|
| PRA Description  | AUXILIARY BUILDING          | NGL ENGINE UNIT             |
| Sample Type      | Normal Sample               | Field Duplicate (Rep)       |
| Sample Id        | CHU-ASS024-40001            | CHU-ASS025-40001            |
| Depth - ft bgs   | 0 - 0                       | 0 - 0                       |
| Collected Date   | 10/14/99                    | 10/14/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       |
| Category         | Analyte                     | Action Level                |
| VOA              | BENZENE                     | 12                          |
|                  | TOLUENE                     | 16000                       |
|                  | ETHYL BENZENE               | 7800                        |
|                  | XYLENES (TOTAL)             | 1000000                     |
| BNA              | PHENANTHRENE                | 23000                       |
|                  | FLUORANTHENE                | 3100                        |
|                  | PYRENE                      | 2300                        |
|                  | BENZO(A)ANTHRACENE          | .87                         |
|                  | BENZO(B)FLUORANTHENE        | .87                         |
|                  | CHRYSENE                    | 87                          |
|                  | BENZO(A)PYRENE              | .087                        |
| P/PCB            | AROCLOR-1016                | 1                           |
|                  | AROCLOR-1221                | 1                           |
|                  | AROCLOR-1232                | 1                           |
|                  | AROCLOR-1242                | 1                           |
|                  | AROCLOR-1248                | 1                           |
|                  | AROCLOR-1254                | 1                           |
|                  | AROCLOR-1260                | 1                           |

Notes:

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**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |                             |
|------------------|-----------------------------|-----------------------------|
| PRA              | 24                          | 25                          |
| PRA Description  | AUXILIARY BUILDING          | NGL ENGINE UNIT             |
| Sample Type      | Normal Sample               | Field Duplicate (Rep)       |
| Sample Id        | CHU-ASS024-40001            | CHU-ASB023-71001            |
| Depth - ft bgs   | 0 - 0                       | 0 - 0                       |
| Collected Date   | 10/14/99                    | 10/14/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies             |
| Result Units     | MG/KG                       | MG/KG                       |
| Category         | Analyte                     | Action Level                |
| METAL            | ANTIMONY, TOTAL             | 31                          |
|                  | BARIUM, TOTAL               | 5500                        |
|                  | CADMIUM, TOTAL              | 39                          |
|                  | CHROMIUM, TOTAL             | 230                         |
|                  | LEAD, TOTAL                 | 400                         |
|                  | NICKEL, TOTAL               | 1600                        |
|                  | ARSENIC, TOTAL              | .43                         |
|                  |                             |                             |
|                  |                             | > CAL*                      |
|                  |                             | Result Flag                 |
|                  |                             | > CAL*                      |
|                  |                             | Result Flag                 |
|                  |                             | > CAL*                      |
|                  |                             | Result Flag                 |
|                  |                             | > CAL*                      |

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ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |               |                             |        |                             |        |
|------------------|-----------------------------|---------------|-----------------------------|--------|-----------------------------|--------|
| PRA Description  |                             |               |                             |        |                             |        |
| Sample Type      |                             | Normal Sample |                             |        |                             |        |
| Sample Id        | CHU-ASB021-40001            |               | CHU-ASB021-70001            |        | CHU-ASB021-70002            |        |
| Depth - ft bgs   | 0 - 1                       |               | 2 - 3                       |        | 3 - 4                       |        |
| Collected Date   | 10/14/99                    |               | 10/14/99                    |        | 10/14/99                    |        |
| Laboratory       | CT&E Environmental Services |               | CT&E Environmental Services |        | CT&E Environmental Services |        |
| Sample Collector | SE Technologies             |               | SE Technologies             |        | SE Technologies             |        |
| Result Units     | MG/KG                       |               | MG/KG                       |        | MG/KG                       |        |
| Category         | Analyte                     | Action Level  | Result Flag                 | > CAL* | Result Flag                 | > CAL* |
| VOA              | BENZENE                     | 12            | ND                          |        | ND                          | ND     |
|                  | TOLUENE                     | 16000         | ND                          |        | ND                          | ND     |
| BNA              | ETHYL BENZENE               | 7800          | ND                          |        | ND                          | ND     |
|                  | XYLENES (TOTAL)             | 1000000       | ND                          |        | ND                          | ND     |
| P/PCB            | PHENANTHRENE                | 23000         |                             |        |                             |        |
|                  | FLUORANTHENE                | 3100          |                             |        |                             |        |
| P/PCB            | PYRENE                      | 2300          |                             |        |                             |        |
|                  | BENZO(A)ANTHRACENE          | .87           |                             |        |                             |        |
| P/PCB            | BENZO(B)FLUORANTHENE        | .87           |                             |        |                             |        |
|                  | CHRYSENE                    | 87            |                             |        |                             |        |
| P/PCB            | BENZO(A)PYRENE              | .087          |                             |        |                             |        |
|                  | AROCLOR-1016                | 1             | ND                          |        | ND                          | ND     |
| P/PCB            | AROCLOR-1221                | 1             | ND                          |        | ND                          | ND     |
|                  | AROCLOR-1232                | 1             | ND                          |        | ND                          | ND     |
| P/PCB            | AROCLOR-1242                | 1             | ND                          |        | ND                          | ND     |
|                  | AROCLOR-1248                | 1             | ND                          |        | ND                          | ND     |
| P/PCB            | AROCLOR-1254                | 1             | ND                          |        | ND                          | ND     |
|                  | AROCLOR-1260                | 1             | ND                          |        | ND                          | ND     |

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**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |               |                             |             |                             |             |
|------------------|-----------------------------|---------------|-----------------------------|-------------|-----------------------------|-------------|
| PRA Description  |                             |               |                             |             |                             |             |
|                  | Sample Type                 | Normal Sample |                             |             |                             |             |
| Sample Id        | CHU-ASB021-40001            |               | CHU-ASB021-70001            |             | CHU-ASB021-70002            |             |
| Depth - ft bgs   | 0 - 1                       |               | 2 - 3                       |             | 3 - 4                       |             |
| Collected Date   | 10/14/99                    |               | 10/14/99                    |             | 10/14/99                    |             |
| Laboratory       | CT&E Environmental Services |               | CT&E Environmental Services |             | CT&E Environmental Services |             |
| Sample Collector | SE Technologies             |               | SE Technologies             |             | SE Technologies             |             |
| Result Units     | MG/KG                       |               | MG/KG                       |             | MG/KG                       |             |
| Category         | Analyte                     | Action Level  | > CAL*                      | Result Flag | > CAL*                      | Result Flag |
| METAL            | ANTIMONY, TOTAL             | 31            |                             |             |                             |             |
|                  | BARIUM, TOTAL               | 5500          |                             |             |                             |             |
|                  | CADMIUM, TOTAL              | 39            |                             |             |                             |             |
|                  | CHROMIUM, TOTAL             | 230           |                             |             |                             |             |
|                  | LEAD, TOTAL                 | 400           |                             |             |                             |             |
|                  | NICKEL, TOTAL               | 1600          |                             |             |                             |             |
|                  | ARSENIC, TOTAL              | .43           | 4.5                         | X           | 1.5                         | X           |
|                  |                             |               |                             |             | 1.6                         | X           |

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Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |               |                             |        |                             |        |
|------------------|-----------------------------|---------------|-----------------------------|--------|-----------------------------|--------|
| PRA Description  |                             |               |                             |        |                             |        |
| Sample Type      |                             | Normal Sample |                             |        |                             |        |
| Sample Id        | CHU-ASB021-40001            |               | CHU-ASB021-70001            |        | CHU-ASB021-70002            |        |
| Depth - ft bgs   | 0 - 1                       |               | 2 - 3                       |        | 3 - 4                       |        |
| Collected Date   | 10/14/99                    |               | 10/14/99                    |        | 10/14/99                    |        |
| Laboratory       | CT&E Environmental Services |               | CT&E Environmental Services |        | CT&E Environmental Services |        |
| Sample Collector | SE Technologies             |               | SE Technologies             |        | SE Technologies             |        |
| Result Units     | MG/KG                       |               | MG/KG                       |        | MG/KG                       |        |
| Category         | Analyte                     | Action Level  | Result Flag                 | > CAL* | Result Flag                 | > CAL* |
| VOA              | BENZENE                     | 12            | ND                          |        | ND                          | ND     |
|                  | TOLUENE                     | 16000         | ND                          |        | ND                          | ND     |
| BNA              | ETHYL BENZENE               | 7800          | ND                          |        | ND                          | ND     |
|                  | XYLENES (TOTAL)             | 1000000       | ND                          |        | ND                          | ND     |
| P/PCB            | PHENANTHRENE                | 23000         |                             |        |                             |        |
|                  | FLUORANTHENE                | 3100          |                             |        |                             |        |
| P/PCB            | PYRENE                      | 2300          |                             |        |                             |        |
|                  | BENZO(A)ANTHRACENE          | .87           |                             |        |                             |        |
| P/PCB            | BENZO(B)FLUORANTHENE        | .87           |                             |        |                             |        |
|                  | CHRYSENE                    | 87            |                             |        |                             |        |
| P/PCB            | BENZO(A)PYRENE              | .087          |                             |        |                             |        |
|                  | AROCLOR-1016                | 1             | ND                          |        | ND                          | ND     |
| P/PCB            | AROCLOR-1221                | 1             | ND                          |        | ND                          | ND     |
|                  | AROCLOR-1232                | 1             | ND                          |        | ND                          | ND     |
| P/PCB            | AROCLOR-1242                | 1             | ND                          |        | ND                          | ND     |
|                  | AROCLOR-1248                | 1             | ND                          |        | ND                          | ND     |
| P/PCB            | AROCLOR-1254                | 1             | ND                          |        | ND                          | ND     |
|                  | AROCLOR-1260                | 1             | ND                          |        | ND                          | ND     |

Notes:

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J flag - Numerical value is an estimated quantity.  
ND indicates Non-Detect  
Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |               |                             |             |                             |             |
|------------------|-----------------------------|---------------|-----------------------------|-------------|-----------------------------|-------------|
| PRA Description  |                             |               |                             |             |                             |             |
|                  | Sample Type                 | Normal Sample |                             |             |                             |             |
| Sample Id        | CHU-ASB021-40001            |               | CHU-ASB021-70001            |             | CHU-ASB021-70002            |             |
| Depth - ft bgs   | 0 - 1                       |               | 2 - 3                       |             | 3 - 4                       |             |
| Collected Date   | 10/14/99                    |               | 10/14/99                    |             | 10/14/99                    |             |
| Laboratory       | CT&E Environmental Services |               | CT&E Environmental Services |             | CT&E Environmental Services |             |
| Sample Collector | SE Technologies             |               | SE Technologies             |             | SE Technologies             |             |
| Result Units     | MG/KG                       |               | MG/KG                       |             | MG/KG                       |             |
| Category         | Analyte                     | Action Level  | > CAL*                      | Result Flag | > CAL*                      | Result Flag |
| METAL            | ANTIMONY, TOTAL             | 31            |                             |             |                             |             |
|                  | BARIUM, TOTAL               | 5500          |                             |             |                             |             |
|                  | CADMIUM, TOTAL              | 39            |                             |             |                             |             |
|                  | CHROMIUM, TOTAL             | 230           |                             |             |                             |             |
|                  | LEAD, TOTAL                 | 400           |                             |             |                             |             |
|                  | NICKEL, TOTAL               | 1600          |                             |             |                             |             |
|                  | ARSENIC, TOTAL              | .43           | 4.5                         | X           | 1.5                         | X           |
|                  |                             |               |                             |             | 1.6                         | X           |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |              |                             |             |                             |             |
|------------------|-----------------------------|--------------|-----------------------------|-------------|-----------------------------|-------------|
| PRA Description  |                             |              |                             |             |                             |             |
| Sample Type      |                             |              |                             |             |                             |             |
| Sample Id        | CHU-ASB023-40001            |              | CHU-ASB023-70001            |             | CHU-ASB023-70002            |             |
| Depth - ft bgs   | 0 - 1                       |              | 2 - 3                       |             | 3 - 4                       |             |
| Collected Date   | 10/14/99                    |              | 10/14/99                    |             | 10/14/99                    |             |
| Laboratory       | CT&E Environmental Services |              | CT&E Environmental Services |             | CT&E Environmental Services |             |
| Sample Collector | SE Technologies             |              | SE Technologies             |             | SE Technologies             |             |
| Result Units     | MG/KG                       |              | MG/KG                       |             | MG/KG                       |             |
| Category         | Analyte                     | Action Level | > CAL*                      | Result Flag | > CAL*                      | Result Flag |
| METAL            | ANTIMONY, TOTAL             |              | 31                          |             |                             |             |
|                  | BARIUM, TOTAL               |              | 5500                        |             |                             |             |
|                  | CADMIUM, TOTAL              |              | 39                          |             |                             |             |
|                  | CHROMIUM, TOTAL             |              | 230                         |             |                             |             |
|                  | LEAD, TOTAL                 |              | 400                         |             |                             |             |
|                  | NICKEL, TOTAL               |              | 1600                        |             |                             |             |
|                  | ARSENIC, TOTAL              |              | .43                         | 2.4         | X                           | 5.3         |
|                  |                             |              |                             |             | X                           | 1.4         |
|                  |                             |              |                             |             | X                           |             |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |              |             |                             |             |        |                             |
|------------------|-----------------------------|--------------|-------------|-----------------------------|-------------|--------|-----------------------------|
| PRA              | 26                          |              |             |                             |             |        |                             |
| PRA Description  | NGL REBOILER UNIT           |              |             |                             |             |        |                             |
| Sample Type      | Field Duplicate (Rep)       |              |             |                             |             |        |                             |
| Sample Id        | CHU-ASB025-41001            |              |             |                             |             |        |                             |
| Depth - ft bgs   | 0 - 1                       |              |             | 0 - 1                       |             |        | 2 - 3                       |
| Collected Date   | 10/13/99                    |              |             | 10/13/99                    |             |        | 10/13/99                    |
| Laboratory       | CT&E Environmental Services |              |             | CT&E Environmental Services |             |        | CT&E Environmental Services |
| Sample Collector | SE Technologies             |              |             | SE Technologies             |             |        | SE Technologies             |
| Result Units     | MG/KG                       |              |             | MG/KG                       |             |        | MG/KG                       |
| Category         | Analyte                     | Action Level | Result Flag | > CAL*                      | Result Flag | > CAL* | Result Flag                 |
| VOA              | BENZENE                     | 12           | ND          |                             | ND          |        | ND                          |
|                  | TOLUENE                     | 16000        | ND          |                             | 0.020       |        | 0.006                       |
|                  | ETHYL BENZENE               | 7800         | ND          |                             | 0.020       |        | ND                          |
|                  | XYLENES (TOTAL)             | 1000000      | ND          |                             | 0.044       |        | ND                          |
| BNA              | PHENANTHRENE                | 23000        |             |                             | ND          |        |                             |
|                  | FLUORANTHENE                | 3100         |             |                             | ND          |        |                             |
|                  | PYRENE                      | 2300         |             |                             | ND          |        |                             |
|                  | BENZO(A)ANTHRACENE          | .87          |             |                             | ND          |        |                             |
|                  | BENZO(B)FLUORANTHENE        | .87          |             |                             | ND          |        |                             |
|                  | CHRYSENE                    | 87           |             |                             | ND          |        |                             |
|                  | BENZO(A)PYRENE              | .087         |             |                             | ND          |        |                             |
| P/PCB            | AROCOLOR-1016               | 1            | ND          |                             | ND          |        | ND                          |
|                  | AROCOLOR-1221               | 1            | ND          |                             | ND          |        | ND                          |
|                  | AROCOLOR-1232               | 1            | ND          |                             | ND          |        | ND                          |
|                  | AROCOLOR-1242               | 1            | ND          |                             | ND          |        | ND                          |
|                  | AROCOLOR-1248               | 1            | ND          |                             | ND          |        | ND                          |
|                  | AROCOLOR-1254               | 1            | ND          |                             | ND          |        | ND                          |
|                  | AROCOLOR-1260               | 1            | ND          |                             | ND          |        | ND                          |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |                             |                             |             |        |             |
|------------------|-----------------------------|-----------------------------|-----------------------------|-------------|--------|-------------|
| PRA              | 26                          |                             |                             |             |        |             |
| PRA Description  | NGL REBOILER UNIT           |                             |                             |             |        |             |
| Sample Type      | Field Duplicate (Rep)       | Normal Sample               |                             |             |        |             |
| Sample Id        | CHU-ASB025-41001            | CHU-ASB024-40001            | CHU-ASB024-70001            |             |        |             |
| Depth - ft bgs   | 0 - 1                       | 0 - 1                       | 2 - 3                       |             |        |             |
| Collected Date   | 10/13/99                    | 10/13/99                    | 10/13/99                    |             |        |             |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |             |        |             |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             |             |        |             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       |             |        |             |
| Category         | Analyte                     | Action Level                | > CAL*                      | Result Flag | > CAL* | Result Flag |
| METAL            | ANTIMONY, TOTAL             | 31                          |                             |             |        |             |
|                  | BARIUM, TOTAL               | 5500                        |                             |             |        |             |
|                  | CADMIUM, TOTAL              | 39                          |                             |             |        |             |
|                  | CHROMIUM, TOTAL             | 230                         |                             |             |        |             |
|                  | LEAD, TOTAL                 | 400                         |                             |             |        |             |
|                  | NICKEL, TOTAL               | 1600                        |                             |             |        |             |
|                  | ARSENIC, TOTAL              | .43                         | 4.5 J-                      | X           | 5.8 J- | X           |
|                  |                             |                             |                             |             | 5.4 J- | X           |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

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ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |                             |                             |             |        |
|------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|--------|
| PRA Description  |                             |                             |                             |                             |             |        |
| Sample Type      |                             |                             |                             |                             |             |        |
| Sample Id        | CHU-ASB024-70002            | CHU-ASB025-40001            | CHU-ASB025-70001            | CHU-ASB025-70001            |             |        |
| Depth - ft bgs   | 3 - 4                       | 0 - 1                       |                             | 2 - 3                       |             |        |
| Collected Date   | 10/13/99                    | 10/13/99                    |                             | 10/13/99                    |             |        |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |             |        |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             | SE Technologies             |             |        |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG                       |             |        |
| Category         | Analyte                     | Action Level                | > CAL*                      | > CAL*                      | Result Flag | > CAL* |
| VOA              | BENZENE                     | 12                          | ND                          | ND                          | ND          | ND     |
|                  | TOLUENE                     | 16000                       | ND                          | ND                          | ND          | ND     |
| BNA              | ETHYL BENZENE               | 7800                        | ND                          | ND                          | ND          | ND     |
|                  | XYLENES (TOTAL)             | 1000000                     | ND                          | ND                          | ND          | ND     |
| P/PCB            | PHENANTHRENE                | 23000                       |                             |                             |             |        |
|                  | FLUORANTHENE                | 3100                        |                             |                             |             |        |
| P/PCB            | PYRENE                      | 2300                        |                             |                             |             |        |
|                  | BENZO(A)ANTHRACENE          | .87                         |                             |                             |             |        |
| P/PCB            | BENZO(B)FLUORANTHENE        | .87                         |                             |                             |             |        |
|                  | CHRYSENE                    | 87                          |                             |                             |             |        |
| P/PCB            | BENZO(A)PYRENE              | .087                        |                             |                             |             |        |
|                  | AROCLOR-1016                | 1                           | ND                          | ND                          | ND          | ND     |
| P/PCB            | AROCLOR-1221                | 1                           | ND                          | ND                          | ND          | ND     |
|                  | AROCLOR-1232                | 1                           | ND                          | ND                          | ND          | ND     |
| P/PCB            | AROCLOR-1242                | 1                           | ND                          | ND                          | ND          | ND     |
|                  | AROCLOR-1248                | 1                           | ND                          | ND                          | ND          | ND     |
| P/PCB            | AROCLOR-1254                | 1                           | ND                          | ND                          | ND          | ND     |
|                  | AROCLOR-1260                | 1                           | ND                          | ND                          | ND          | ND     |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.  
J flag - Numerical value is an estimated quantity.  
ND indicates Non-Detect  
Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |                             |                             |                 |        |             |
|------------------|-----------------------------|-----------------------------|-----------------------------|-----------------|--------|-------------|
| PRA Description  |                             |                             |                             |                 |        |             |
| Sample Type      |                             |                             |                             |                 |        |             |
| Sample Id        | CHU-ASB024-70002            | CHU-ASB025-40001            | CHU-ASB025-70001            |                 |        |             |
| Depth - ft bgs   | 3 - 4                       | 0 - 1                       |                             | 2 - 3           |        |             |
| Collected Date   | 10/13/99                    | 10/13/99                    |                             | 10/13/99        |        |             |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |                 |        |             |
| Sample Collector | SE Technologies             | SE Technologies             | SE Technologies             | SE Technologies |        |             |
| Result Units     | MG/KG                       | MG/KG                       | MG/KG                       | MG/KG           |        |             |
| Category         | Analyte                     | Action Level                | > CAL*                      | Result Flag     | > CAL* | Result Flag |
| METAL            | ANTIMONY, TOTAL             | 31                          |                             |                 |        |             |
|                  | BARIUM, TOTAL               | 5500                        |                             |                 |        |             |
|                  | CADMIUM, TOTAL              | 39                          |                             |                 |        |             |
|                  | CHROMIUM, TOTAL             | 230                         |                             |                 |        |             |
|                  | LEAD, TOTAL                 | 400                         |                             |                 |        |             |
|                  | NICKEL, TOTAL               | 1600                        |                             |                 |        |             |
|                  | ARSENIC, TOTAL              | .43                         | 3.4                         | J-              | X      | 2.3         |
|                  |                             |                             |                             |                 |        | J-          |
|                  |                             |                             |                             |                 | X      |             |

Notes:

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ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |                                       |
|------------------|-----------------------------|---------------------------------------|
| PRA              | 27                          | CAS AIR COMPR. CONDENSATE CATCH BASIN |
| PRA Description  |                             |                                       |
| Sample Type      | Normal Sample               |                                       |
| Sample Id        | CHU-ASB025-70002            | CHU-ASS030-40001                      |
| Depth - ft bgs   | 3 - 4                       | 0 - 0.5                               |
| Collected Date   | 10/13/99                    | 10/12/99                              |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services           |
| Sample Collector | SE Technologies             | SE Technologies                       |
| Result Units     | MG/KG                       | MG/KG                                 |
| Category         | Analyte                     | Action Level                          |
| VOA              | BENZENE                     | 12                                    |
|                  | TOLUENE                     | 16000                                 |
|                  | ETHYL BENZENE               | 7800                                  |
|                  | XYLENES (TOTAL)             | 1000000                               |
| BNA              | PHENANTHRENE                | 23000                                 |
|                  | FLUORANTHENE                | 3100                                  |
|                  | PYRENE                      | 2300                                  |
|                  | BENZO(A)ANTHRACENE          | .87                                   |
|                  | BENZO(B)FLUORANTHENE        | .87                                   |
|                  | CHRYSENE                    | 87                                    |
|                  | BENZO(A)PYRENE              | .087                                  |
| P/PCB            | AROCLOR-1016                | 1                                     |
|                  | AROCLOR-1221                | 1                                     |
|                  | AROCLOR-1232                | 1                                     |
|                  | AROCLOR-1242                | 1                                     |
|                  | AROCLOR-1248                | 1                                     |
|                  | AROCLOR-1254                | 1                                     |
|                  | AROCLOR-1260                | 1                                     |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

|                  |                             |                                       |
|------------------|-----------------------------|---------------------------------------|
| PRA              | 27                          | CAS AIR COMPR. CONDENSATE CATCH BASIN |
| PRA Description  |                             |                                       |
| Sample Type      | Normal Sample               |                                       |
| Sample Id        | CHU-ASB025-70002            | CHU-ASS030-40001                      |
| Depth - ft bgs   | 3 - 4                       | 0 - 0.5                               |
| Collected Date   | 10/13/99                    | 10/12/99                              |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services           |
| Sample Collector | SE Technologies             | SE Technologies                       |
| Result Units     | MG/KG                       | MG/KG                                 |
| Category         | Analyte                     | Action Level                          |
| METAL            | ANTIMONY, TOTAL             | 31                                    |
|                  | BARIUM, TOTAL               | 5500                                  |
|                  | CADMIUM, TOTAL              | 39                                    |
|                  | CHROMIUM, TOTAL             | 230                                   |
|                  | LEAD, TOTAL                 | 400                                   |
|                  | NICKEL, TOTAL               | 1600                                  |
|                  | ARSENIC, TOTAL              | .43                                   |
|                  |                             | 3.9 J-                                |
|                  |                             | X                                     |
|                  |                             | > CAL*                                |
|                  |                             | Result Flag                           |
|                  |                             | > CAL*                                |
|                  |                             | Result Flag                           |
|                  |                             | > CAL*                                |
|                  |                             | Result Flag                           |
|                  |                             | > CAL*                                |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              | 28                                   |                             |                             |        |             |        |             |
|------------------|--------------------------------------|-----------------------------|-----------------------------|--------|-------------|--------|-------------|
| PRA Description  | 30,000-GAL AT PROPANE DISPENSER UNIT |                             |                             |        |             |        |             |
| Sample Type      | Normal Sample                        |                             |                             |        |             |        |             |
| Sample Id        | CHU-ASB036-40001                     | CHU-ASB036-70001            | CHU-ASB036-70002            |        |             |        |             |
| Depth - ft bgs   | 0 - 1                                | 2 - 3                       | 3 - 4                       |        |             |        |             |
| Collected Date   | 10/14/99                             | 10/14/99                    | 10/14/99                    |        |             |        |             |
| Laboratory       | CT&E Environmental Services          | CT&E Environmental Services | CT&E Environmental Services |        |             |        |             |
| Sample Collector | SE Technologies                      | SE Technologies             | SE Technologies             |        |             |        |             |
| Result Units     | MG/KG                                | MG/KG                       | MG/KG                       |        |             |        |             |
| Category         | Analyte                              | Action Level                | Result Flag                 | > CAL* | Result Flag | > CAL* | Result Flag |
| VOA              | BENZENE                              | 12                          | ND                          | ND     | ND          | ND     | ND          |
|                  | TOLUENE                              | 16000                       | ND                          | ND     | ND          | ND     | ND          |
|                  | ETHYL BENZENE                        | 7800                        | ND                          | ND     | ND          | ND     | ND          |
|                  | XYLENES (TOTAL)                      | 1000000                     | ND                          | ND     | ND          | ND     | ND          |
| BNA              | PHENANTHRENE                         | 23000                       |                             |        |             |        |             |
|                  | FLUORANTHENE                         | 3100                        |                             |        |             |        |             |
|                  | PYRENE                               | 2300                        |                             |        |             |        |             |
|                  | BENZO(A)ANTHRACENE                   | .87                         |                             |        |             |        |             |
|                  | BENZO(B)FLUORANTHENE                 | .87                         |                             |        |             |        |             |
|                  | CHRYSENE                             | 87                          |                             |        |             |        |             |
|                  | BENZO(A)PYRENE                       | .087                        |                             |        |             |        |             |
| P/PCB            | AROCLOR-1016                         | 1                           | ND                          | ND     | ND          | ND     | ND          |
|                  | AROCLOR-1221                         | 1                           | ND                          | ND     | ND          | ND     | ND          |
|                  | AROCLOR-1232                         | 1                           | ND                          | ND     | ND          | ND     | ND          |
|                  | AROCLOR-1242                         | 1                           | ND                          | ND     | ND          | ND     | ND          |
|                  | AROCLOR-1248                         | 1                           | ND                          | ND     | ND          | ND     | ND          |
|                  | AROCLOR-1254                         | 1                           | ND                          | ND     | ND          | ND     | ND          |
|                  | AROCLOR-1260                         | 1                           | ND                          | ND     | ND          | ND     | ND          |

Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.

**Table 4-3**  
**Summary of Analytical Results**

|                  |                                      |                             |                             |             |        |             |        |             |
|------------------|--------------------------------------|-----------------------------|-----------------------------|-------------|--------|-------------|--------|-------------|
| PRA              | 28                                   |                             |                             |             |        |             |        |             |
| PRA Description  | 30,000-GAL AT PROPANE DISPENSER UNIT |                             |                             |             |        |             |        |             |
| Sample Type      | Normal Sample                        |                             |                             |             |        |             |        |             |
| Sample Id        | CHU-ASB036-40001                     | CHU-ASB036-70001            | CHU-ASB036-70002            |             |        |             |        |             |
| Depth - ft bgs   | 0 - 1                                | 2 - 3                       | 3 - 4                       |             |        |             |        |             |
| Collected Date   | 10/14/99                             | 10/14/99                    | 10/14/99                    |             |        |             |        |             |
| Laboratory       | CT&E Environmental Services          | CT&E Environmental Services | CT&E Environmental Services |             |        |             |        |             |
| Sample Collector | SE Technologies                      | SE Technologies             | SE Technologies             |             |        |             |        |             |
| Result Units     | MG/KG                                | MG/KG                       | MG/KG                       |             |        |             |        |             |
| Category         | Analyte                              | Action Level                | > CAL*                      | Result Flag | > CAL* | Result Flag | > CAL* | Result Flag |
| METAL            | ANTIMONY, TOTAL                      |                             |                             |             |        |             |        |             |
|                  |                                      | 31                          |                             |             |        |             |        |             |
|                  | BARIUM, TOTAL                        |                             |                             |             |        |             |        |             |
|                  | CADMIUM, TOTAL                       |                             |                             |             |        |             |        |             |
|                  | CHROMIUM, TOTAL                      |                             |                             |             |        |             |        |             |
|                  | LEAD, TOTAL                          |                             |                             |             |        |             |        |             |
|                  | NICKEL, TOTAL                        |                             |                             |             |        |             |        |             |
|                  | ARSENIC, TOTAL                       |                             |                             |             |        |             |        |             |

**Notes:**

\* "CAF" equals "X" when reported value is above characterization action level for this locale.

II flag : Numerical value is an estimated quantity

ND indicates Non-Detect.

ND indicates Not Detected.

\* \* \* > CAL equals "X" when reported value is above characterization action level for this locale.

**I flag** - Numerical value is an estimated quantity

ND indicates Non-Detect.

ND indicates Not Detectable.

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             | 2  |                             | 5                           |                             |
|------------------|-----------------------------|--|-----------------------------|-----------------------------|-----------------------------|
| PRA Description  |                             | 3400-GAL PIPELINE LIQUIDS UT, 3400-GAL USED OIL UT |                             | UNNAMED TRIB. TO HALFWAY    |                             |
| Sample Type      |                             | Field Duplicate (Rep)                              |                             | Field Duplicate (Rep)       |                             |
| Sample Id        | CHU-AML.001-61001           | Normal Sample                                      | Normal Sample               | CHU-ASW001-21001            | CHU-ASW001-21001            |
| Depth - ft bgs   | 0 - 0                       | 0 - 0  | 0 - 0                       | 0 - 0                       | 0 - 0                       |
| Collected Date   | 10/12/99                    | 10/12/99   | 10/12/99                    | 10/13/99                    | 10/13/99                    |
| Laboratory       | CT&E Environmental Services | CT&E Environmental Services                        | CT&E Environmental Services | CT&E Environmental Services | CT&E Environmental Services |
| Sample Collector | SE Technologies             | SE Technologies                                    | SE Technologies             | SE Technologies             | SE Technologies             |
| Result Units     | UG/L                        | UG/L   | UG/L                        | UG/L                        | UG/L                        |
| Category         | Analyte                     | Action Level                                       | Result Flag                 | > CAL*                      | Result Flag                 |
| VOA              | BENZENE                     | 5  | X                           | X                           | X                           |
|                  | TOLUENE                     | 1000   | 830                         | 800                         | J                           |
|                  | ETHYL BENZENE               | 700  | 120                         | 92                          | J                           |
|                  | XYLENES (TOTAL)             | 10000  | 900                         | 790                         | J                           |
|                  | ANTIMONY, TOTAL             | 6  |                             |                             |                             |
| METAL            | BARIUM, TOTAL               | 2000   |                             |                             |                             |
|                  | BERYLLIUM, TOTAL            | 4  |                             |                             |                             |
|                  | CADMIUM, TOTAL              | 5  |                             |                             |                             |
|                  | CHROMIUM, TOTAL             | 100  |                             |                             |                             |
|                  | LEAD, TOTAL                 | 15   | ND                          | ND                          |                             |
|                  | NICKEL, TOTAL               | 100  |                             |                             |                             |
|                  | SILVER, TOTAL               | 100  |                             |                             |                             |
| ARSENIC, TOTAL   |                             | 50   |                             |                             |                             |

Notes:

\* " > CAL " equals " X " when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect.

ND indicates Not Detected.

HISTORICAL SKETCHES.

## Characterization Work Plan Program Sites

Page 1 of 2

Date generated: July 25, 2000

**Table 4-3**  
**Summary of Analytical Results**

| PRA              |                             |               |                             |        |                             |        |
|------------------|-----------------------------|---------------|-----------------------------|--------|-----------------------------|--------|
| PRA Description  |                             | RUN           |                             |        |                             |        |
|                  | Sample Type                 | Normal Sample |                             |        |                             |        |
| Sample Id        | CHU-ASW001-20001            |               | CHU-ASW002-20001            |        | CHU-ASW003-20001            |        |
| Depth - ft bgs   | 0 - 0                       |               | 0 - 0                       |        | 0 - 0                       |        |
| Collected Date   | 10/13/99                    |               | 10/13/99                    |        | 10/13/99                    |        |
| Laboratory       | CT&E Environmental Services |               | CT&E Environmental Services |        | CT&E Environmental Services |        |
| Sample Collector | SE Technologies             |               | SE Technologies             |        | SE Technologies             |        |
| Result Units     | UG/L                        |               | UG/L                        |        | UG/L                        |        |
| Category         | Analyte                     | Action Level  | Result Flag                 | > CAL* | Result Flag                 | > CAL* |
| VOA              | BENZENE                     | 5             | ND                          |        | ND                          | ND     |
|                  | TOLUENE                     | 1000          | ND                          |        | ND                          | ND     |
|                  | ETHYL BENZENE               | 700           | ND                          |        | ND                          | ND     |
|                  | XYLENES (TOTAL)             | 10000         | ND                          |        | ND                          | ND     |
| METAL            | ANTIMONY, TOTAL             | 6             | ND                          |        | ND                          | ND     |
|                  | BARIUM, TOTAL               | 2000          | ND                          |        | ND                          | 960    |
|                  | BERYLLIUM, TOTAL            | 4             | ND                          |        | ND                          | 9.6    |
|                  | CADMIUM, TOTAL              | 5             | ND                          |        | ND                          | 8.9    |
|                  | CHROMIUM, TOTAL             | 100           | ND                          |        | ND                          | 89.0   |
|                  | LEAD, TOTAL                 | 15            | 5.5 J                       |        | 5.4                         | 100    |
|                  | NICKEL, TOTAL               | 100           | ND                          |        | ND                          | 130    |
|                  | SILVER, TOTAL               | 100           | ND                          |        | ND                          | ND     |
|                  | ARSENIC, TOTAL              | 50            | ND                          |        | ND                          | 35.0   |

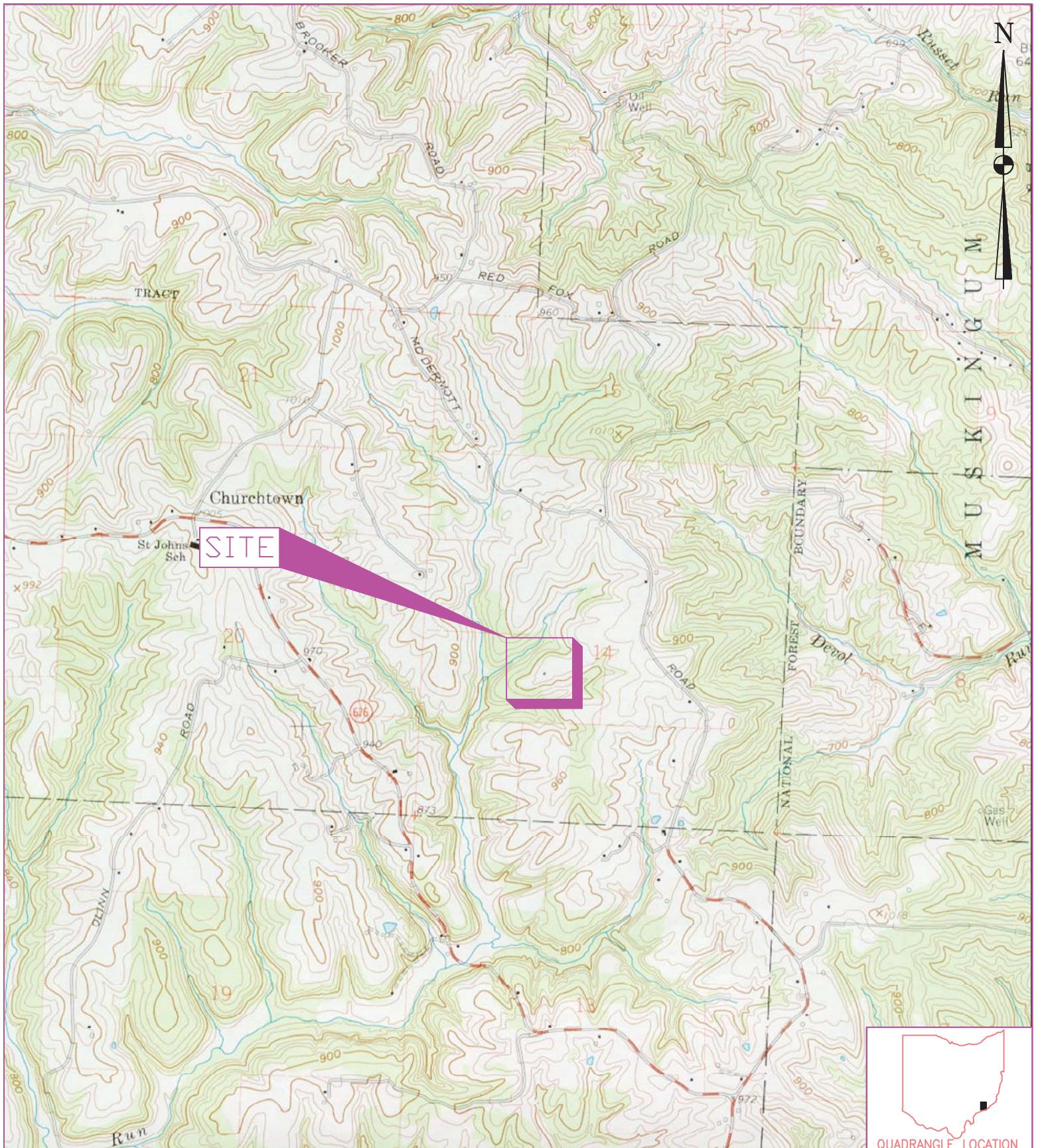
Notes:

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity.

ND indicates Non-Detect

Blank cells in result column indicate an analysis was not performed for that analyte.



REFERENCE: USGS 7.5' QUADRANGLE MAP OF: FLEMING, OHIO; DATED 1960, PHOTOINSPECTED 1984

|               |            |
|---------------|------------|
| DRAWN BY      | PWG        |
| DATE          |            |
| CHECKED BY    |            |
| SET JOB NO.   | 990031     |
| SET DWG FILE  | CHUm01.dwg |
| DRAWING SCALE | 1"=2000'   |



98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

COLUMBIA GAS TRANSMISSION

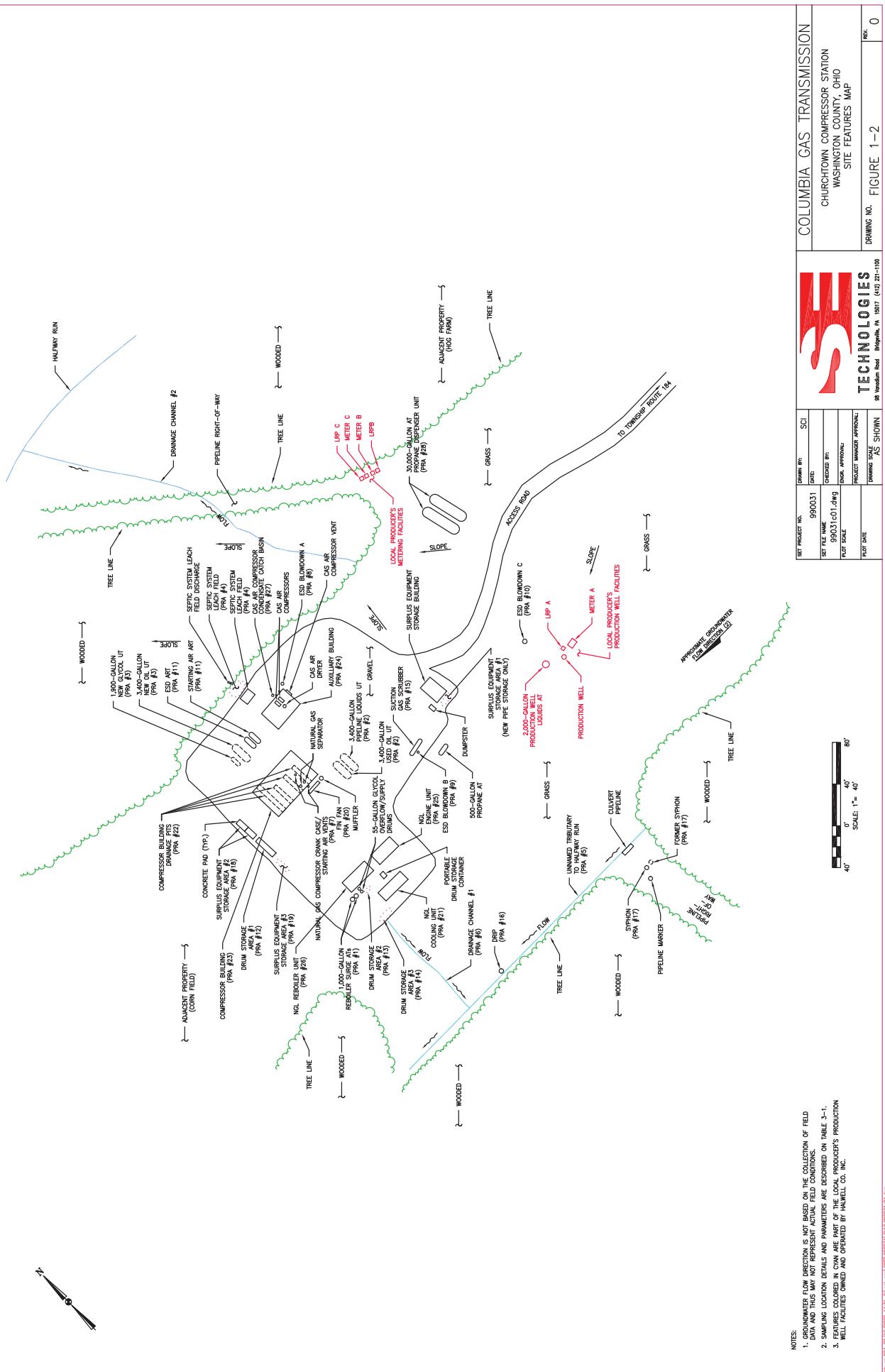
CHURCHTOWN COMPRESSOR STATION  
WASHINGTON COUNTY, OHIO  
SITE LOCATION MAP

DRAWING NO.

FIGURE 1-1

REV.

0



**NOTES:**

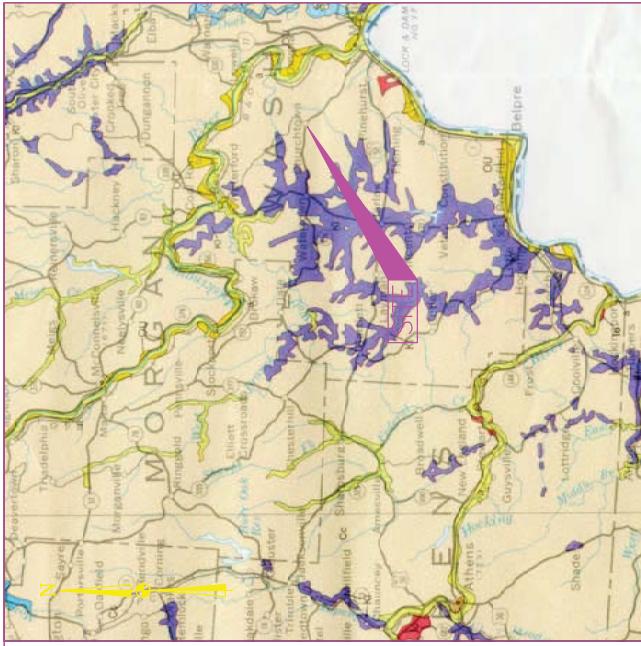
1. GROUNDWATER FLOW DIRECTION IS NOT BASED ON THE COLLECTION OF FIELD DATA AND THIS MAY NOT REPRESENT ACTUAL FIELD CONDITIONS.
2. SAMPLING LOCATION DETAILS AND PARAMETERS ARE DESCRIBED ON TABLE 3-1.
3. FEATURES LISTED IN CIGN ARE PART OF THE LOCAL PRODUCER'S PRODUCTION WELL FACILITIES OWNED AND OPERATED BY HAWELL CO., INC.

NOTES:

1. GROUNDWATER FLOW DIRECTION IS NOT BASED ON THE COLLECTION OF FIELD DATA AND MAY NOT REPRESENT ACTUAL FIELD CONDITIONS.
2. SAMPLING LOCATION DETAILS AND PARAMETERS ARE DESCRIBED ON TABLE 3-1.
3. FEATURES COLORED IN CYAN ARE PARTS OF THE LOCAL PRODUCER'S PRODUCTION WELL FACILITIES OWNED AND OPERATED BY HALIWELL CO., INC.

NOTES:

1. GROUNDWATER FLOW DIRECTION IS NOT BASED ON THE COLLECTION OF FIELD DATA AND MAY NOT REPRESENT ACTUAL FIELD CONDITIONS.
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### LEGEND

#### HOLOCENE

**G** Glaci-Summit-Humble—lignite complex, 25 to 35 percent, slopes, benthic.

The very steep parts of this mapping unit occur as attending bands of glacial, Summit, and Upthorpe soils on steep, narrow ridges. They extend around hilltops for distances ranging from 1/4 to 1 mile. They continue on the upper slopes, but on the lower slopes they are crossed by drainageways. Areas on commonly long and winding 30 to 200 contour topography is the result of different rates of glacial weathering of the bedrock. Most of the bedrock on the steep slopes is hard, resistant sandstone and siltstone. The benthics are underlain mostly by a sandy loam, with some gravelly areas.

By the valley floors, Glaci, soil, 20 percent, Summit-Humble, soil, 20 percent, Upthorpe, soil, and 10 percent, Inducted soils. The Glaci soil is very steep. The deep Summit and clayey Upthorpe soils are sloping to steep and are commonly on ridges. The profiles of all three soils are more continuous than the benthic soils. They are found on the upper slopes. Identified by spot symbols on the soil map, commonly on ridges. Some of which are identified in more detail in the soil report. Most of the benthic soils are included with this unit. In mapping, some of the larger ones are identified by spot symbols on the soil map. Some of the smaller ones are identified by a small circle and cores. Horizontal bands on the soil map. Also included are areas of valley and floodplain soils. Bedrock is visible on benches and of the lower edge of most trapping units, small areas of Hoyler and Vondale soils.

#### LATE WISCONSINIAN

**Ou** Outwash, undifferentiated, deposited by meltwater in front of glacial ice; occurs as valley terraces or low plains; sand and gravel, well sorted and stratified.

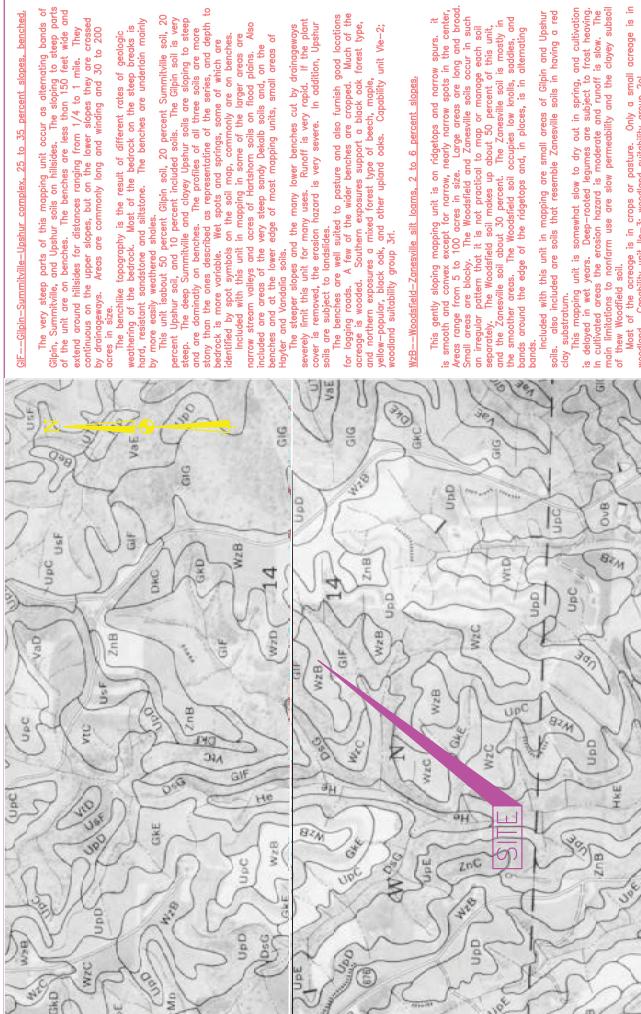
#### PRE-ILLINOIAN

**KI** Locusine deposits, mostly Minford Clay, formed in pre-illinoian ("Kansan") ice-dammed lakes; eroded remnants of lacustrine clays and silts, laminated; commonly covered with thin colluvial sand, silt, or gravel.

#### CENOZOIC

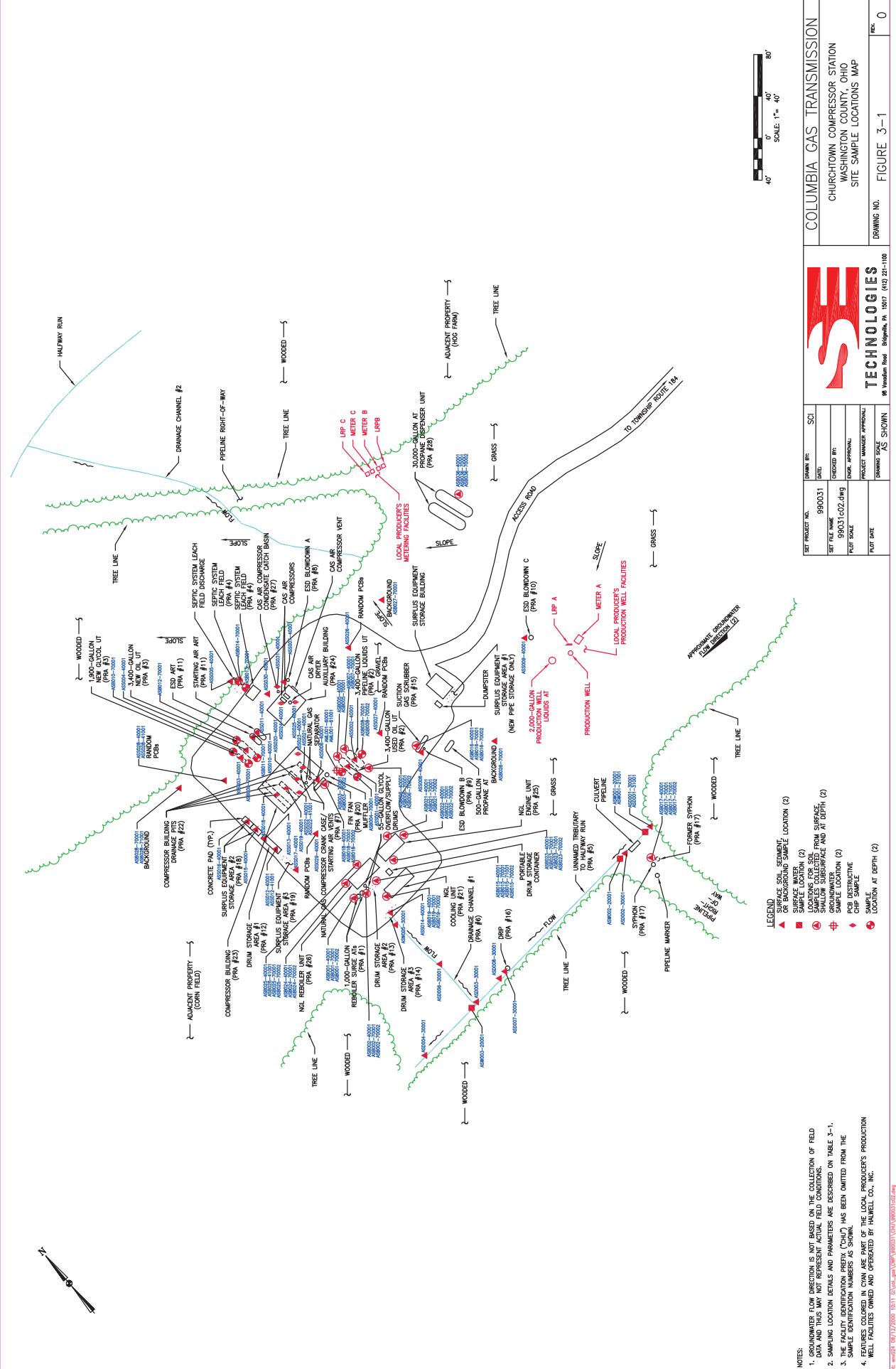
**Cc** Colluvium derived from local bedrock in unglaciated areas; includes scattered areas of weathered, weathered material, landslides, and bedrock outcrop.

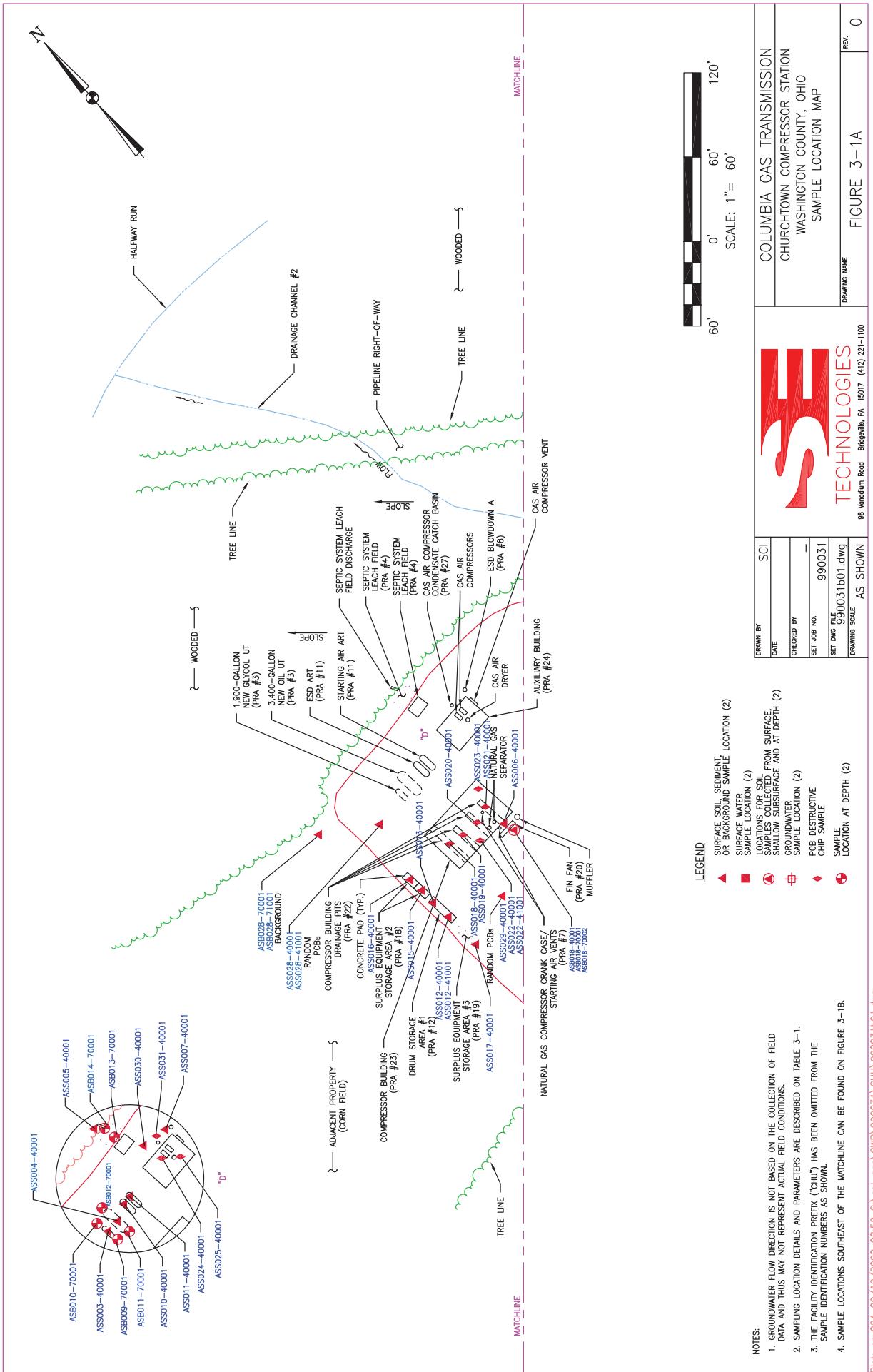
REFERENCE: GEOLOGIC MAP OF OHIO; COMPILED BY RICHARD R. PAYNE; DATED 1999 - MAP NO. 2; SCALE: 1:500,000 1" = APPROX. 8 MILES

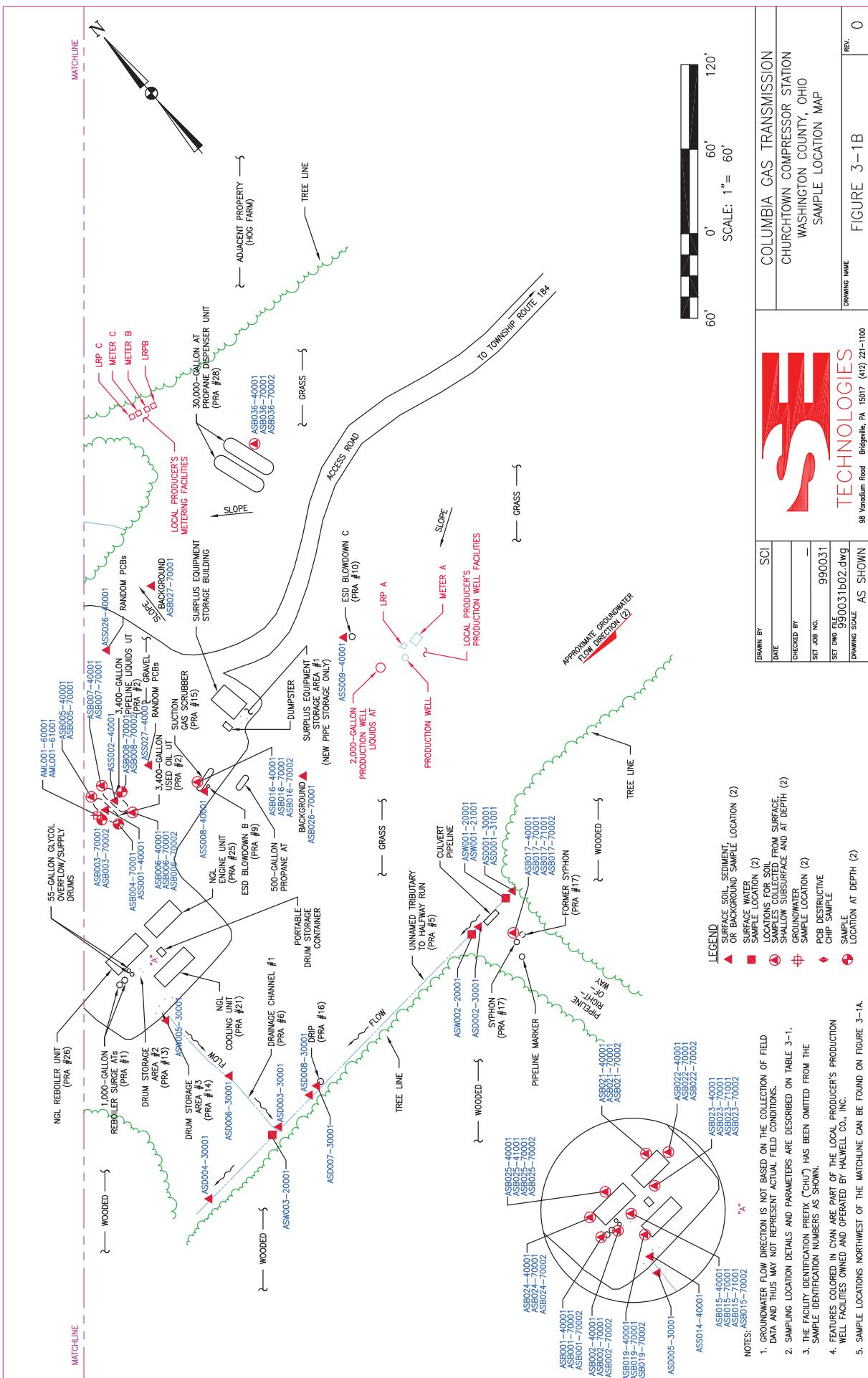


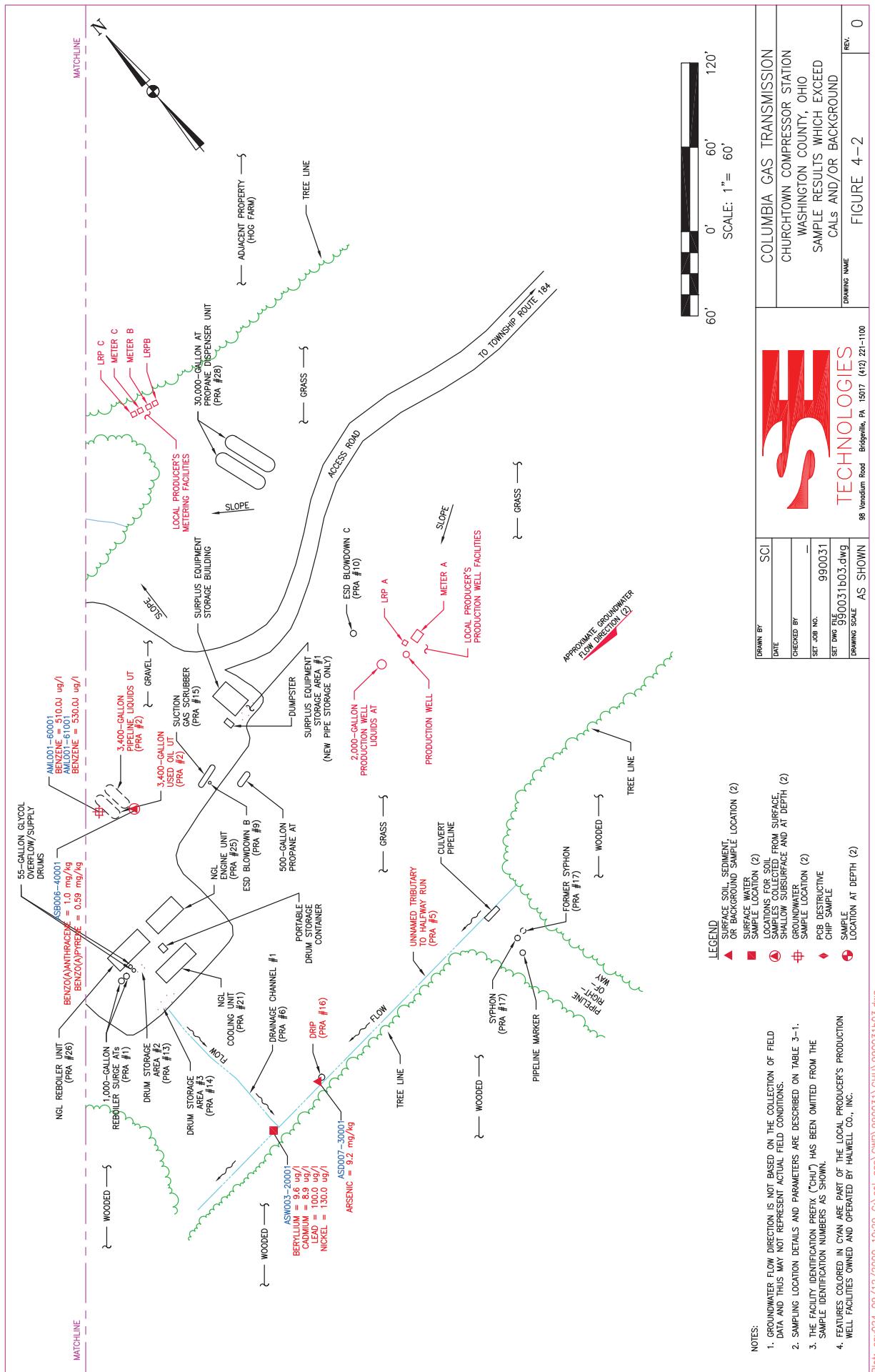
REFERENCE: USDA SOIL CONSERVATION OF WASHINGTON COUNTY, OHIO; SHEET #37 & #48 DATED 1977; SCALE: 1:15,840

|               |              |                               |  |
|---------------|--------------|-------------------------------|--|
| DRAWN BY      | PWG          | COLUMBIA GAS TRANSMISSION     |  |
| DATE          |              | CHURCHTOWN COMPRESSOR STATION |  |
| CHECKED BY    | -            | WASHINGTON COUNTY, OHIO       |  |
| SET. JOB NO.  | 990031       | SITE GEOLOGY AND              |  |
| SET. DNG FILE | Chub01.dwg   | SOILS MAP                     |  |
| DRAWING SCALE | N.T.S.       | FIGURE 2-1                    | REV. 0   |
| 98            | Vondale Road | Bridgewater, PA               | Plot: PIGLER 08/04/2000 08:38 G:\col\ads\CWP\990031\CHU\Chub01.dwg |

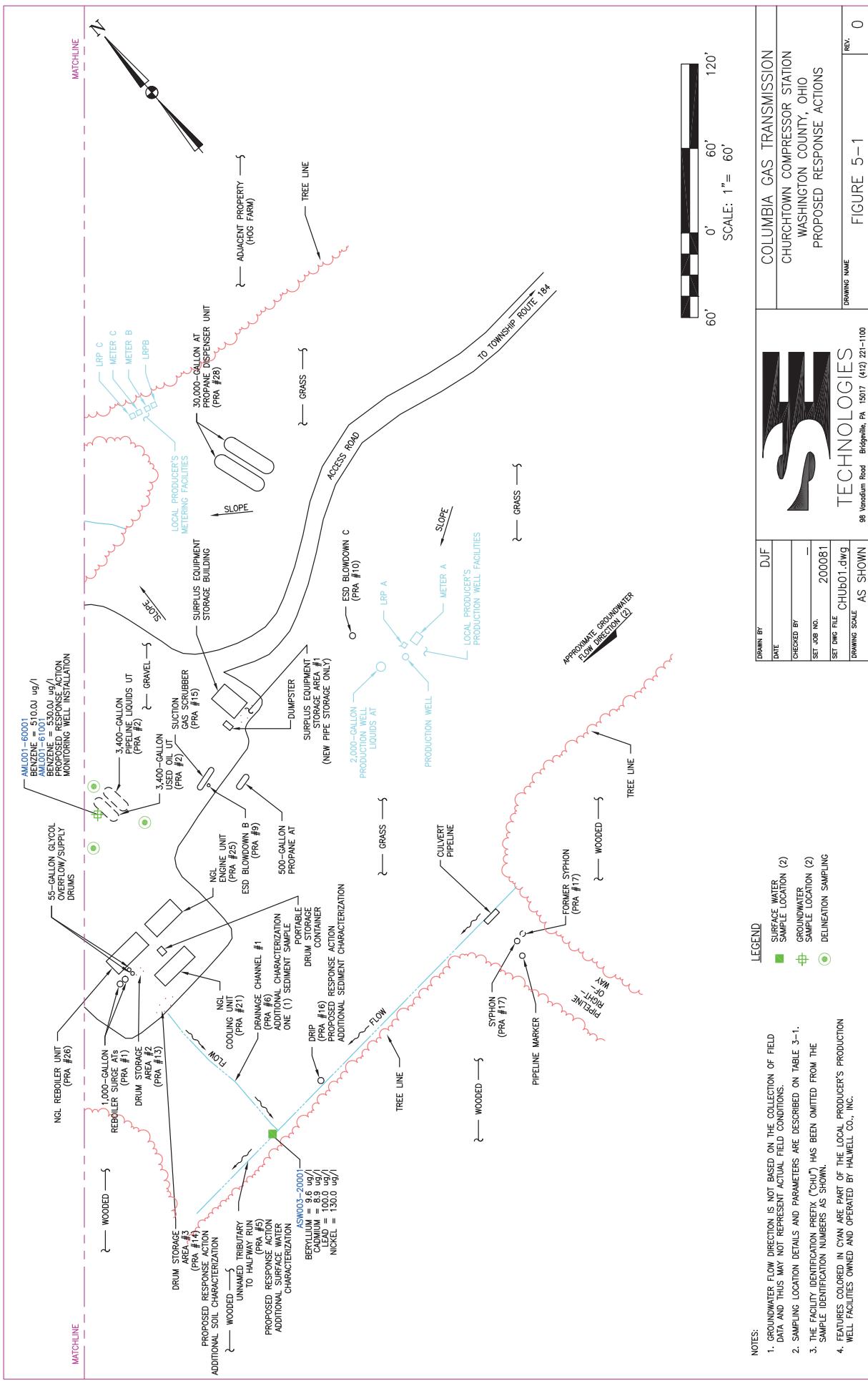








NOTES.



## NOTES.

1. GROUNDWATER FLOW DIRECTION IS NOT BASED ON THE COLLECTION OF FIELD DATA AND THUS MAY NOT REPRESENT ACTUAL FLOW CONDITIONS.
  2. SAMPLING LOCATION DETAILS AND PARAMETERS ARE DISPLAYED ON TABLE 3-1.
  3. THE FACILITY IDENTIFICATION PREFIX ('CH04') HAS BEEN OMITTED FROM THE SAMPLE IDENTIFICATION NUMBERS AS SHOWN.
  4. FEATURES COLORED IN CYAN ARE PART OF THE LOCAL PRODUCER'S PRODUCTION WELL FACILITIES OWNED AND OPERATED BY HALIWELL CO., INC.

Plot: env045 04/09/2002 12:58 G:\col\_gas\2000081\Churchtown\CHU01.dwg

